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Cover Page

Order ID : Q2743

Project ID : Capra

Client : G Environmental

Lab Sample Number	Client Sample Number
Q2743-01	WC1
Q2743-02	WC1

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 8/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2743

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: UPENDRA VIRPURA **Date:** 08/05/2025

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LAB CHRONICLE

OrderID:	Q2743	**OrderDate:**	7/31/2025 4:05:00 PM
Client:	G Environmental	**Project:**	Capra
Contact:	Gary Landis	**Location:**	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2743-01	**WC1**	**SOIL**			**07/31/25**			**07/31/25**
			VOC-TCLVOA-10	8260D			08/01/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2743

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2743

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2743-01	WC1	1,2-Dichloroethane-d4	50	54.3	109		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	48.3	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.5	91		70 (17)	130 (146)
VW0801SBL01	VW0801SBL01	1,2-Dichloroethane-d4	50	52.5	105		70 (63)	130 (155)
		Dibromofluoromethane	50	49.0	98		70 (70)	130 (134)
		Toluene-d8	50	46.9	94		70 (74)	130 (123)
		4-Bromofluorobenzene	50	44.0	88		70 (17)	130 (146)
VW0801SBS01	VW0801SBS01	1,2-Dichloroethane-d4	50	52.4	105		70 (63)	130 (155)
		Dibromofluoromethane	50	52.5	105		70 (70)	130 (134)
		Toluene-d8	50	51.1	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.9	102		70 (17)	130 (146)
VW0801SBSD0	VW0801SBSD01	1,2-Dichloroethane-d4	50	50.2	100		70 (63)	130 (155)
		Dibromofluoromethane	50	52.1	104		70 (70)	130 (134)
		Toluene-d8	50	51.5	103		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.2	102		70 (17)	130 (146)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2743 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VW031973.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VW0801SBS01	Dichlorodifluoromethane	20	17.3	ug/Kg	86			40 (64)	160 (136)	
	Chloromethane	20	19.6	ug/Kg	98			40 (52)	160 (151)	
	Vinyl chloride	20	18.3	ug/Kg	92			70 (56)	130 (148)	
	Bromomethane	20	19.7	ug/Kg	99			40 (58)	160 (141)	
	Chloroethane	20	20.0	ug/Kg	100			40 (69)	160 (130)	
	Trichlorofluoromethane	20	15.3	ug/Kg	77			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/Kg	99			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.7	ug/Kg	99			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (40)	160 (171)	
	Carbon disulfide	20	18.9	ug/Kg	95			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.1	ug/Kg	101			70 (77)	130 (129)	
	Methyl Acetate	20	22.2	ug/Kg	111			70 (69)	130 (149)	
	Methylene Chloride	20	17.3	ug/Kg	86			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			70 (82)	130 (123)	
	Cyclohexane	20	18.4	ug/Kg	92			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.4	ug/Kg	97			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	Bromochloromethane	20	20.1	ug/Kg	101			70 (80)	130 (127)	
	Chloroform	20	21.2	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	18.2	ug/Kg	91			70 (77)	130 (123)	
	Benzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			70 (81)	130 (126)	
	Trichloroethene	20	19.7	ug/Kg	99			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	Bromodichloromethane	20	20.8	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.4	ug/Kg	97			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	20.5	ug/Kg	103			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.1	ug/Kg	106			70 (80)	130 (125)	
	Tetrachloroethene	20	20.3	ug/Kg	102			70 (83)	130 (125)	
	Chlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (122)	
	Ethyl Benzene	20	18.9	ug/Kg	95			70 (82)	130 (124)	
	m/p-Xylenes	40	39.6	ug/Kg	99			70 (83)	130 (124)	
	o-Xylene	20	19.6	ug/Kg	98			70 (83)	130 (123)	
	Styrene	20	19.9	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	20	21.2	ug/Kg	106			70 (75)	130 (127)	
	Isopropylbenzene	20	18.2	ug/Kg	91			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.6	ug/Kg	103			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.2	ug/Kg	101			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2743 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VW031973.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW0801SBS01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/Kg	98			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2743 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VW031974.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW0801SBSD01	Dichlorodifluoromethane	20	16.2	ug/Kg	81	6		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.2	ug/Kg	91	7		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	17.0	ug/Kg	85	8		70 (56)	130 (148)	30 (20)
	Bromomethane	20	18.4	ug/Kg	92	7		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.7	ug/Kg	94	6		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	17.4	ug/Kg	87	12		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/Kg	94	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	18.5	ug/Kg	93	6		70 (79)	130 (121)	30 (20)
	Acetone	100	97.9	ug/Kg	98	12		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	17.8	ug/Kg	89	7		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102	1		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	22.9	ug/Kg	115	4		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	16.1	ug/Kg	81	6		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	18.9	ug/Kg	95	4		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	19.3	ug/Kg	97	6		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	17.6	ug/Kg	88	4		70 (76)	130 (122)	30 (20)
	2-Butanone	100	97.9	ug/Kg	98	12		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	19.6	ug/Kg	98	1		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	19.3	ug/Kg	97	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	19.1	ug/Kg	96	5		70 (80)	130 (127)	30 (20)
	Chloroform	20	19.8	ug/Kg	99	7		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	18.8	ug/Kg	94	5		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	17.8	ug/Kg	89	2		70 (77)	130 (123)	30 (20)
	Benzene	20	20.2	ug/Kg	101	0		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.9	ug/Kg	104	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.8	ug/Kg	99	0		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.2	ug/Kg	101	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.7	ug/Kg	104	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		40 (70)	160 (135)	30 (20)
	Toluene	20	20.0	ug/Kg	100	0		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99	2		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.6	ug/Kg	108	5		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	10		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.8	ug/Kg	104	1		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	21.1	ug/Kg	106	0		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	19.2	ug/Kg	96	6		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	19.4	ug/Kg	97	1		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	18.6	ug/Kg	93	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	38.8	ug/Kg	97	2		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.1	ug/Kg	96	2		70 (83)	130 (123)	30 (20)
	Styrene	20	19.5	ug/Kg	98	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.4	ug/Kg	102	4		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	17.4	ug/Kg	87	4		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.6	ug/Kg	98	5		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	18.7	ug/Kg	94	8		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95	3		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	19.2	ug/Kg	96	5		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2743 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VW031974.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VW0801SBSD01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/Kg	96	2		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	17.6	ug/Kg	88	7		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94	2		70 (70)	130 (137)	30 (20)

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VOLATILE METHOD BLANK SUMMARY

Client ID: VW0801SBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2743

Lab File ID: VW031972.D Lab Sample ID: VW0801SBL01

Date Analyzed: 08/01/2025 Time Analyzed: 09:21

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0801SBS01	VW0801SBS01	VW031973.D	08/01/2025
VW0801SBSD01	VW0801SBSD01	VW031974.D	08/01/2025
WC1	Q2743-01	VW031977.D	08/01/2025

COMMENTS:

Raw Data: **VW031890.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2743
Lab File ID: VW031890.D
BFB Injection Date: 07/22/2025
Instrument ID: MSVOA_W
BFB Injection Time: 08:14
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.8 (7.1) 1
176	95.0 - 101.0% of mass 174	63.8 (95) 1
177	5.0 - 9.0% of mass 176	4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VW031891.D	07/22/2025	09:05
VSTDICC010	VSTDICC010	VW031892.D	07/22/2025	09:37
VSTDICC020	VSTDICC020	VW031893.D	07/22/2025	10:17
VSTDICCC050	VSTDICCC050	VW031894.D	07/22/2025	10:39
VSTDICC100	VSTDICC100	VW031895.D	07/22/2025	11:18
VSTDICC150	VSTDICC150	VW031896.D	07/22/2025	12:00

Raw Data: **VW031970.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q2743
Lab File ID: VW031970.D
BFB Injection Date: 08/01/2025
Instrument ID: MSVOA_W
BFB Injection Time: 07:52
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	63.8
175	5.0 - 9.0% of mass 174	4.8 (7.5) 1
176	95.0 - 101.0% of mass 174	61.5 (96.4) 1
177	5.0 - 9.0% of mass 176	4 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW031971.D	08/01/2025	08:21
VW0801SBL01	VW0801SBL01	VW031972.D	08/01/2025	09:21
VW0801SBS01	VW0801SBS01	VW031973.D	08/01/2025	09:49
VW0801SBSD01	VW0801SBSD01	VW031974.D	08/01/2025	10:12
WC1	Q2743-01	VW031977.D	08/01/2025	11:56

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2743

Lab File ID: VW031971.D Date Analyzed: 08/01/2025

Instrument ID: MSVOA_W Time Analyzed: 08:21

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	217356	7.96	389384	8.85	352859	11.63
UPPER LIMIT	434712	8.459	778768	9.349	705718	12.129
LOWER LIMIT	108678	7.459	194692	8.349	176430	11.129
EPA SAMPLE NO.						
WC1	174433	7.96	365996	8.86	361399	11.64
VW0801SBL01	165069	7.96	350388	8.85	344045	11.64
VW0801SBS01	204409	7.96	389040	8.85	355301	11.63
VW0801SBSD01	220615	7.96	398144	8.86	370224	11.63

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2743

Lab File ID: VW031971.D Date Analyzed: 08/01/2025

Instrument ID: MSVOA_W Time Analyzed: 08:21

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	168273	13.556				
UPPER LIMIT	336546	14.056				
LOWER LIMIT	84136.5	13.056				
EPA SAMPLE NO.						
WC1	177152	13.55				
VW0801SBL01	156295	13.56				
VW0801SBS01	169621	13.56				
VW0801SBSD01	179082	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **VW031977.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	07/31/25
Project:	Capra	Date Received:	07/31/25
Client Sample ID:	WC1	SDG No.:	Q2743
Lab Sample ID:	Q2743-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.3
Sample Wt/Vol:	5.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031977.D	1	08/01/25 11:56	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.20	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.20	ug/Kg
75-01-4	Vinyl Chloride	0.98	U	0.98	6.20	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.20	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	6.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.50	U	1.50	6.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	6.20	ug/Kg
67-64-1	Acetone	5.90	U	5.90	30.9	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	6.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.90	U	0.90	6.20	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.20	ug/Kg
75-09-2	Methylene Chloride	4.40	U	4.40	12.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.99	U	0.99	6.20	ug/Kg
110-82-7	Cyclohexane	0.98	U	0.98	6.20	ug/Kg
78-93-3	2-Butanone	8.10	U	8.10	30.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	6.20	ug/Kg
74-97-5	Bromochloromethane	1.40	U	1.40	6.20	ug/Kg
67-66-3	Chloroform	1.00	U	1.00	6.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.20	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.20	ug/Kg
71-43-2	Benzene	0.98	U	0.98	6.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.98	U	0.98	6.20	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.20	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.20	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	6.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	30.9	ug/Kg
108-88-3	Toluene	0.97	U	0.97	6.20	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	07/31/25
Project:	Capra	Date Received:	07/31/25
Client Sample ID:	WC1	SDG No.:	Q2743
Lab Sample ID:	Q2743-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.3
Sample Wt/Vol:	5.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031977.D	1	08/01/25 11:56	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.80	U	0.80	6.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.77	U	0.77	6.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.20	ug/Kg
591-78-6	2-Hexanone	4.60	U	4.60	30.9	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.20	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.20	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.20	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.20	ug/Kg
100-41-4	Ethyl Benzene	0.83	U	0.83	6.20	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	12.4	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.20	ug/Kg
100-42-5	Styrene	0.88	U	0.88	6.20	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.20	ug/Kg
98-82-8	Isopropylbenzene	0.97	U	0.97	6.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	2.10	6.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.90	6.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	2.30	6.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	3.70	6.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.90	U	3.90	6.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		70 (17) - 130 (146)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	7.959			
540-36-3	1,4-Difluorobenzene	366000	8.855			
3114-55-4	Chlorobenzene-d5	361000	11.636			
3855-82-1	1,4-Dichlorobenzene-d4	177000	13.55			

Raw Data: **VW031977.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	07/31/25
Project:	Capra	Date Received:	07/31/25
Client Sample ID:	WC1	SDG No.:	Q2743
Lab Sample ID:	Q2743-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.3
Sample Wt/Vol:	5.16 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031977.D	1	08/01/25 11:56	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031977.D
Acq On : 01 Aug 2025 11:56
Operator : SY/MD
Sample : Q2743-01
Misc : 5.16g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Time: Aug 01 23:11:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

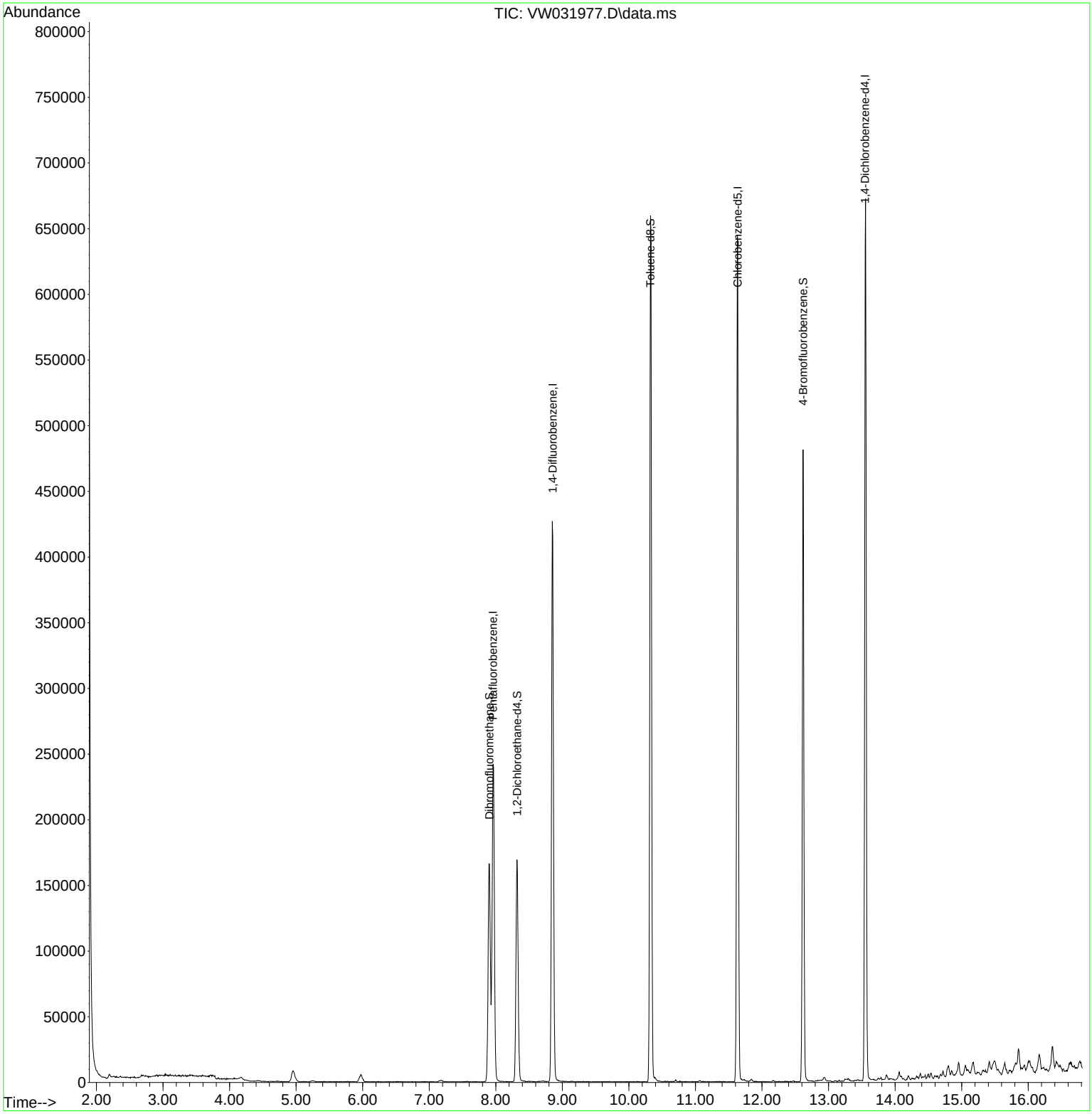
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	174433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	365996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	361399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	177152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143395	54.342	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 108.680%			
35) Dibromofluoromethane	7.904	113	125146	50.320	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.640%			
50) Toluene-d8	10.325	98	454906	48.330	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.660%			
62) 4-Bromofluorobenzene	12.617	95	164274	45.452	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 90.900%			
Target Compounds						Qvalue

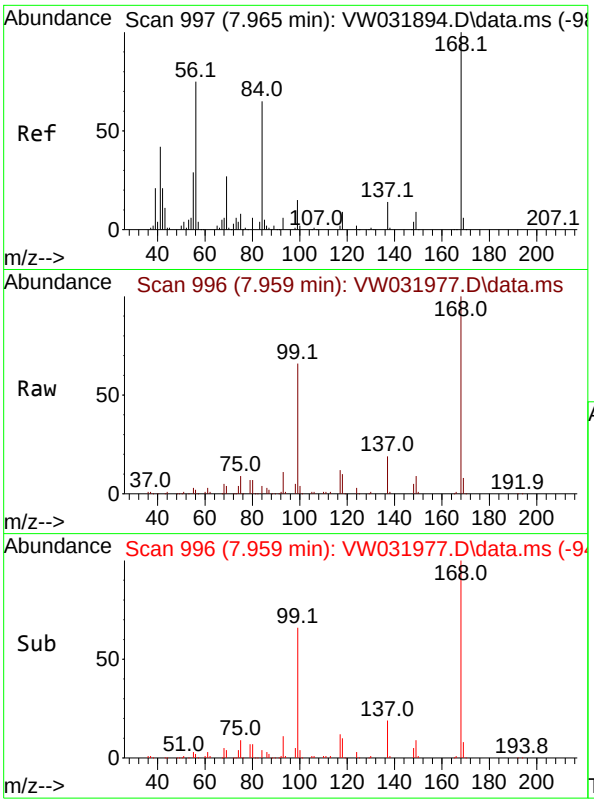
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031977.D
Acq On : 01 Aug 2025 11:56
Operator : SY/MD
Sample : Q2743-01
Misc : 5.16g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Time: Aug 01 23:11:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



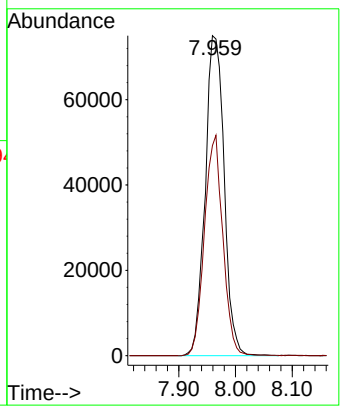


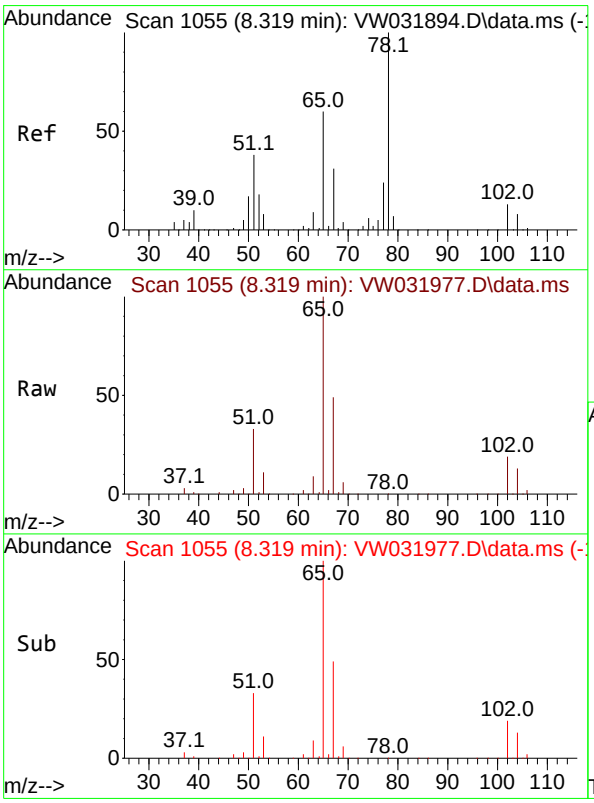
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Instrument :
MSVOA_W
ClientSampleId :
WC1

Tgt Ion:168 Resp: 174433

Ion	Ratio	Lower	Upper
168	100		
99	65.6	48.2	72.2

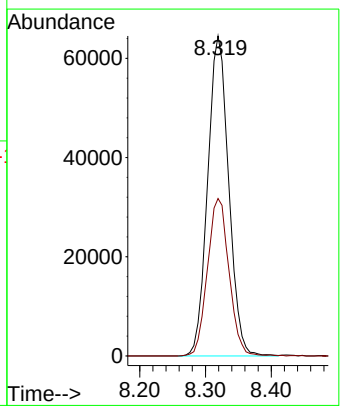


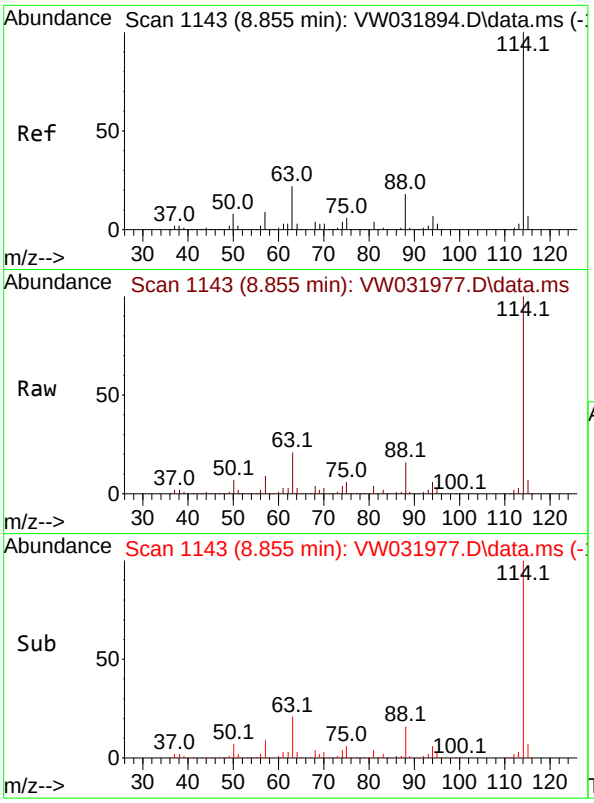


#33
1,2-Dichloroethane-d4
Concen: 54.342 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Tgt Ion: 65 Resp: 143395

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.4



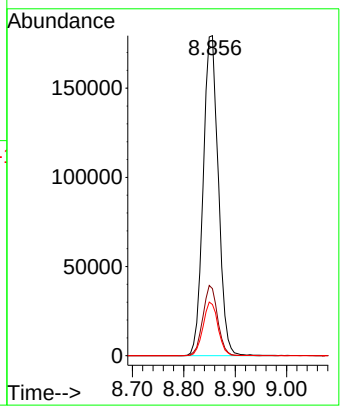


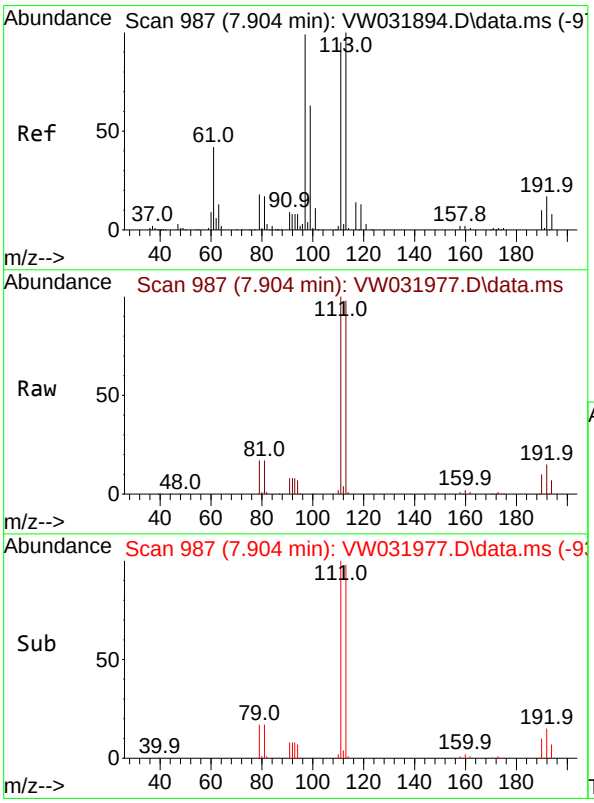
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Instrument :
MSVOA_W
ClientSampleId :
WC1

Tgt Ion:114 Resp: 365996

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.2
88	16.0	0.0	35.6

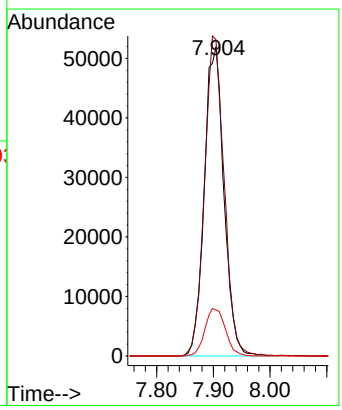


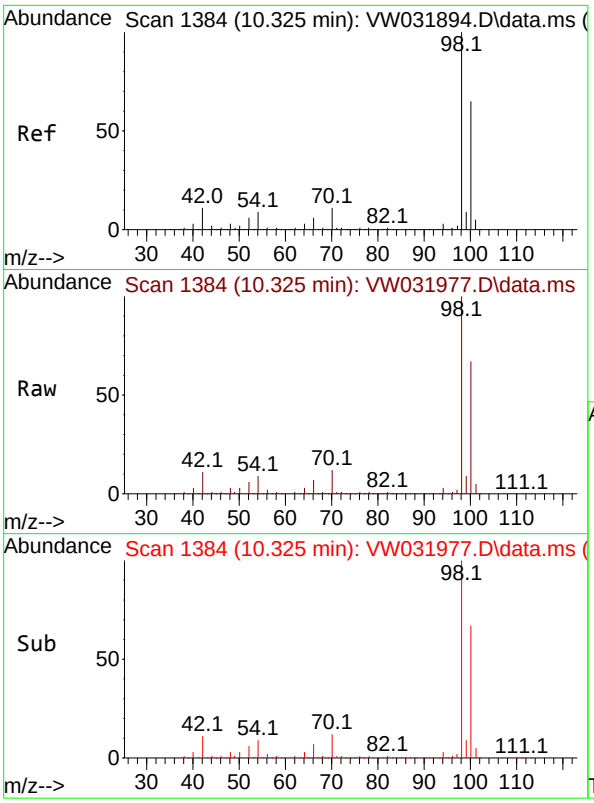


#35
Dibromofluoromethane
Concen: 50.320 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Tgt Ion:113 Resp: 125146

Ion	Ratio	Lower	Upper
113	100		
111	102.8	79.9	119.9
192	16.0	12.6	19.0



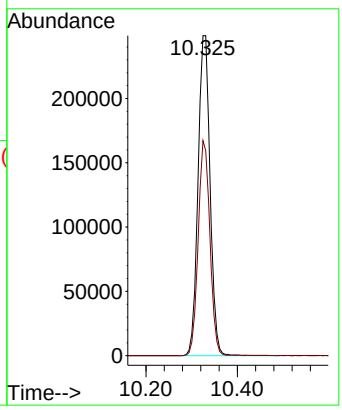


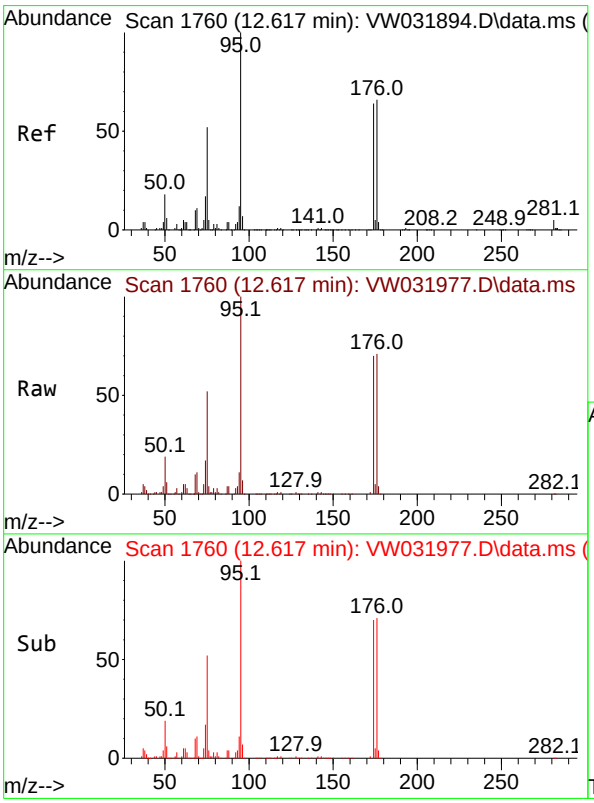
#50
Toluene-d8
Concen: 48.330 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Instrument :
MSVOA_W
ClientSampleId :
WC1

Tgt Ion: 98 Resp: 454906

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5

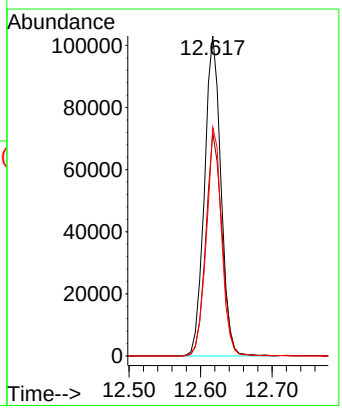


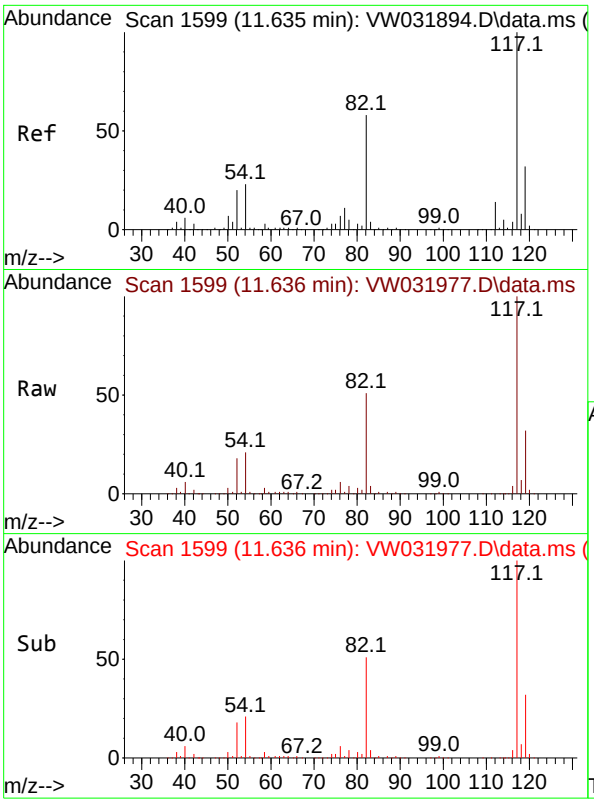


#62
4-Bromofluorobenzene
Concen: 45.452 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Tgt Ion: 95 Resp: 164274

Ion	Ratio	Lower	Upper
95	100		
174	68.5	0.0	129.8
176	66.5	0.0	130.4



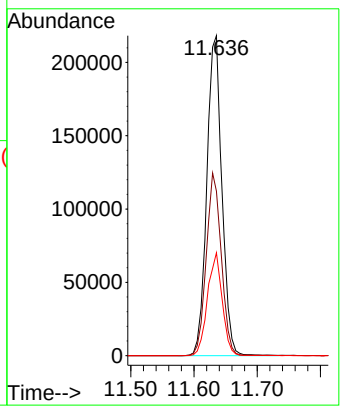


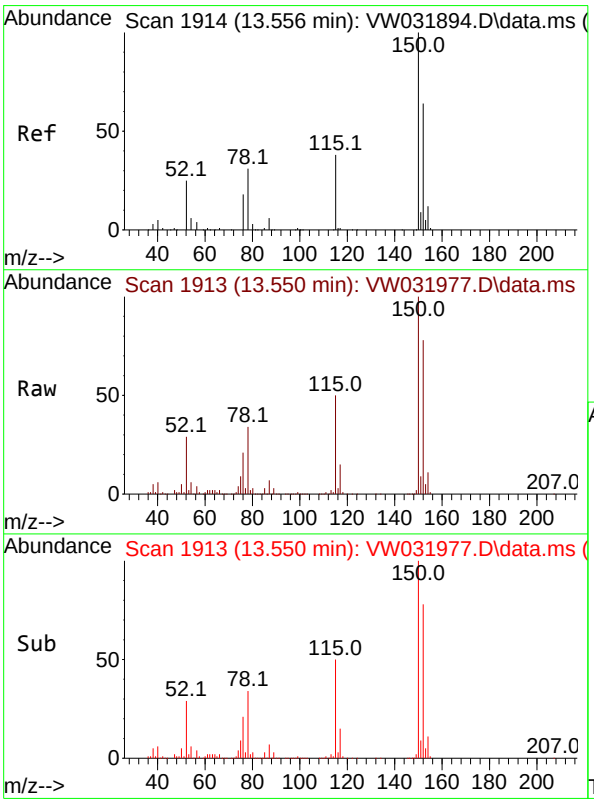
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Instrument :
MSVOA_W
ClientSampleId :
WC1

Tgt Ion:117 Resp: 361399

Ion	Ratio	Lower	Upper
117	100		
82	51.4	46.5	69.7
119	32.2	25.8	38.6

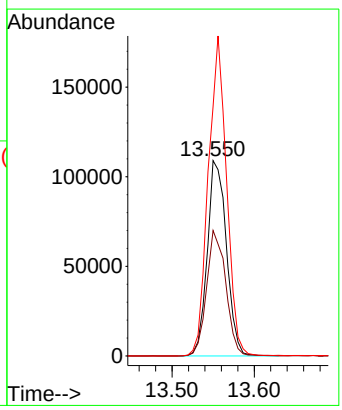




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.550 min Scan# 1913
Delta R.T. -0.006 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Tgt Ion:152 Resp: 177152

Ion	Ratio	Lower	Upper
152	100		
115	64.5	33.4	100.1
150	156.3	0.0	352.2



Sample Results: **VW031977.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031977.D
Acq On : 01 Aug 2025 11:56
Operator : SY/MD
Sample : Q2743-01
Misc : 5.16g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Title : SW846 8260

Signal : TIC: VW031977.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.954	493	503	519	rVB3	8433	31079	2.59%	0.463%
2	5.972	659	670	679	rBV2	5633	17996	1.50%	0.268%
3	7.898	976	986	991	rBV	165878	397111	33.10%	5.914%
4	7.959	991	996	1011	rVB	241577	560747	46.73%	8.350%
5	8.319	1042	1055	1066	rBV	168962	382709	31.89%	5.699%
6	8.849	1131	1142	1154	rBV	426550	869053	72.43%	12.942%
7	10.325	1376	1384	1394	rBV	659396	1199906	100.00%	17.869%
8	11.629	1589	1598	1611	rBV	644577	1112794	92.74%	16.571%
9	12.617	1752	1760	1771	rBV	481194	761067	63.43%	11.334%
10	13.556	1906	1914	1923	rBV	671516	1111773	92.66%	16.556%
11	14.062	1987	1997	2001	rBV	6088	12535	1.04%	0.187%
12	14.800	2111	2118	2123	rBV4	8421	20194	1.68%	0.301%
13	14.952	2137	2143	2149	rVB8	9494	18643	1.55%	0.278%
14	15.056	2153	2160	2163	rBV6	7446	14562	1.21%	0.217%
15	15.178	2172	2180	2186	rVB4	8941	21520	1.79%	0.320%
16	15.415	2213	2219	2224	rBV7	8408	17630	1.47%	0.263%
17	15.495	2224	2232	2238	rVB9	7378	23838	1.99%	0.355%
18	15.647	2249	2257	2265	rBV4	9178	23810	1.98%	0.355%
19	15.812	2277	2284	2286	rBV8	6056	13372	1.11%	0.199%
20	15.854	2287	2291	2296	rVB4	15346	29590	2.47%	0.441%
21	16.165	2332	2342	2347	rBV8	13915	37644	3.14%	0.561%
22	16.366	2367	2375	2380	rBV5	17205	37622	3.14%	0.560%

Sum of corrected areas: 6715195

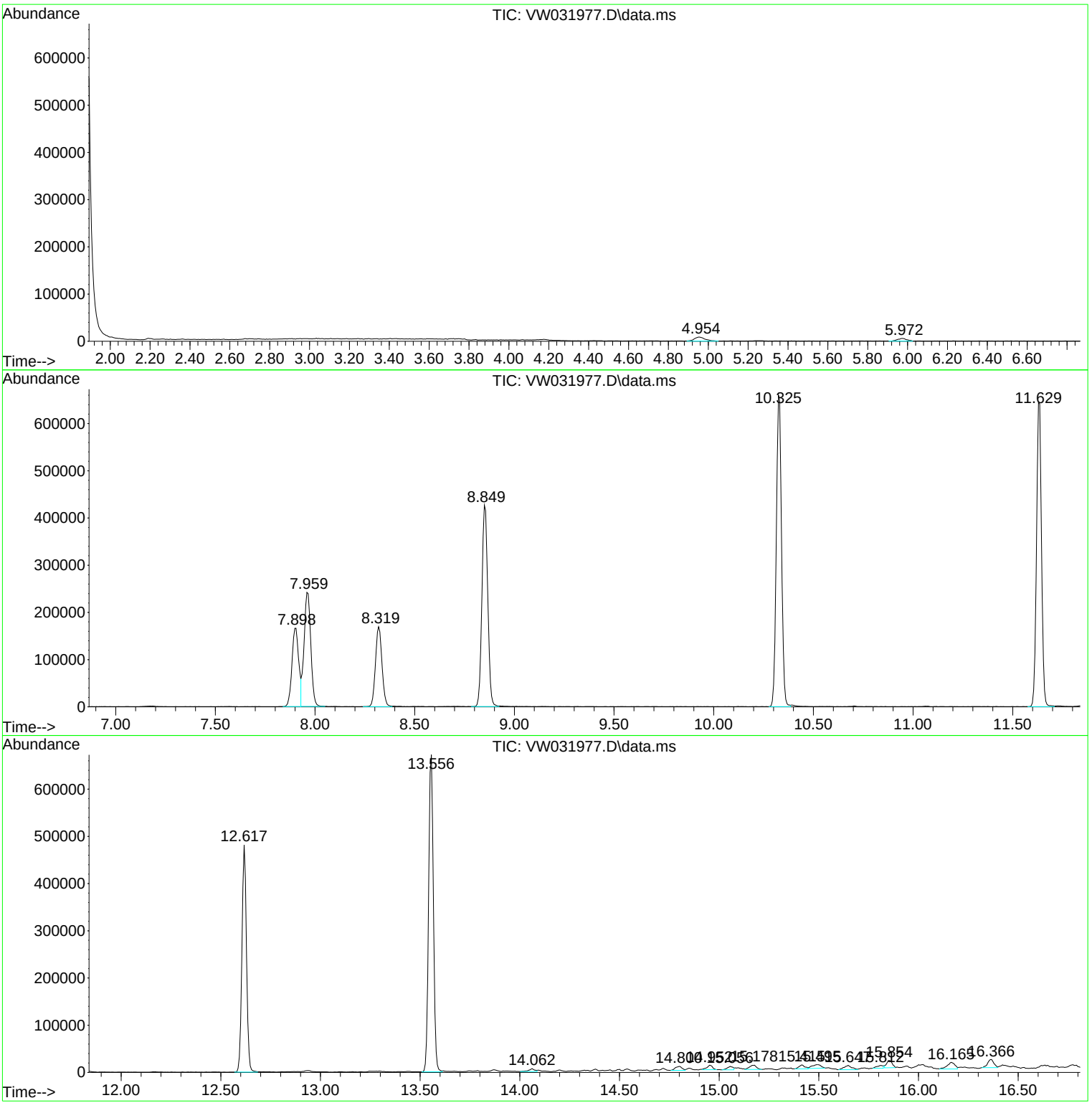
Sample Results: **VW031977.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031977.D
Acq On : 01 Aug 2025 11:56
Operator : SY/MD
Sample : Q2743-01
Misc : 5.16g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VW031977.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031977.D
Acq On : 01 Aug 2025 11:56
Operator : SY/MD
Sample : Q2743-01
Misc : 5.16g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Sample Results: **VW031977.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031977.D
Acq On : 01 Aug 2025 11:56
Operator : SY/MD
Sample : Q2743-01
Misc : 5.16g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

CALIBRATION SUMMARY

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2743

Instrument ID: MSVOA_W Calibration Date(s): 07/22/2025 07/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:05 12:00

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW031891.D RRF010 = VW031892.D RRF020 = VW031893.D
RRF050 = VW031894.D RRF100 = VW031895.D RRF150 = VW031896.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.427	0.364	0.355	0.358	0.369	0.357	0.372	7.4
Chloromethane	0.533	0.475	0.462	0.434	0.459	0.498	0.477	7.2
Vinyl Chloride	0.635	0.615	0.612	0.615	0.617	0.624	0.620	1.3
Bromomethane	0.500	0.454	0.444	0.434	0.448	0.457	0.456	5
Chloroethane	0.448	0.395	0.394	0.392	0.409	0.414	0.409	5.2
Trichlorofluoromethane	0.670	0.552	0.574	0.679	0.625	0.666	0.628	8.6
1,1,2-Trichlorotrifluoroethane	0.674	0.603	0.582	0.589	0.584	0.590	0.604	5.8
1,1-Dichloroethene	0.714	0.656	0.650	0.645	0.667	0.669	0.667	3.7
Acetone	0.206	0.189	0.186	0.166	0.168	0.163	0.179	9.3
Carbon Disulfide	1.775	1.643	1.708	1.693	1.757	1.798	1.729	3.4
Methyl tert-butyl Ether	1.271	1.110	1.204	1.132	1.153	1.042	1.152	6.9
Methyl Acetate	0.528	0.427	0.529	0.475	0.527	0.481	0.494	8.4
Methylene Chloride	1.615	0.931	0.910	0.756	0.730	0.722	0.944	36.1
trans-1,2-Dichloroethene	0.767	0.679	0.697	0.691	0.699	0.712	0.707	4.4
1,1-Dichloroethane	1.372	1.262	1.274	1.263	1.291	1.296	1.293	3.2
Cyclohexane	1.399	1.176	1.078	1.099	1.100	1.107	1.160	10.5
2-Butanone	0.260	0.231	0.266	0.236	0.254	0.227	0.246	6.7
Carbon Tetrachloride	0.489	0.498	0.502	0.493	0.517	0.506	0.501	2
cis-1,2-Dichloroethene	0.878	0.789	0.821	0.824	0.846	0.831	0.832	3.6
Bromochloromethane	0.585	0.520	0.546	0.526	0.542	0.531	0.541	4.3
Chloroform	1.436	1.336	1.362	1.314	1.348	1.338	1.356	3.1
1,1,1-Trichloroethane	1.114	1.017	1.008	1.010	1.009	1.032	1.032	4
Methylcyclohexane	0.655	0.643	0.637	0.657	0.690	0.659	0.657	2.8
Benzene	1.558	1.540	1.565	1.520	1.569	1.517	1.545	1.5
1,2-Dichloroethane	0.508	0.484	0.516	0.480	0.507	0.471	0.494	3.7
Trichloroethene	0.370	0.372	0.356	0.362	0.375	0.368	0.367	1.8
1,2-Dichloropropane	0.381	0.367	0.376	0.360	0.377	0.370	0.372	2.1
Bromodichloromethane	0.537	0.546	0.561	0.535	0.582	0.557	0.553	3.2
4-Methyl-2-Pentanone	0.293	0.270	0.317	0.295	0.320	0.273	0.295	7.1
Toluene	0.992	0.998	1.003	0.979	0.998	0.986	0.993	0.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2743

Instrument ID: MSVOA_W Calibration Date(s): 07/22/2025 07/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:05 12:00

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VW031891.D RRF010 = VW031892.D RRF020 = VW031893.D
RRF050 = VW031894.D RRF100 = VW031895.D RRF150 = VW031896.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.502	0.496	0.535	0.522	0.575	0.552	0.530	5.7
cis-1,3-Dichloropropene	0.591	0.578	0.601	0.602	0.646	0.617	0.606	3.9
1,1,2-Trichloroethane	0.316	0.297	0.314	0.300	0.317	0.295	0.306	3.3
2-Hexanone	0.205	0.188	0.220	0.206	0.222	0.189	0.205	7.1
Dibromochloromethane	0.349	0.339	0.358	0.351	0.386	0.359	0.357	4.5
1,2-Dibromoethane	0.302	0.291	0.318	0.297	0.318	0.290	0.303	4.2
Tetrachloroethene	0.345	0.334	0.333	0.324	0.319	0.323	0.330	2.9
Chlorobenzene	1.216	1.227	1.257	1.244	1.193	1.205	1.224	2
Ethyl Benzene	2.167	2.107	2.165	2.226	2.099	2.137	2.150	2.2
m/p-Xylenes	0.808	0.801	0.829	0.823	0.794	0.802	0.809	1.7
o-Xylene	0.734	0.742	0.774	0.796	0.769	0.780	0.766	3.1
Styrene	1.277	1.260	1.344	1.361	1.276	1.308	1.304	3.1
Bromoform	0.202	0.182	0.208	0.219	0.223	0.211	0.207	7.1
Isopropylbenzene	4.192	4.207	4.224	4.405	4.614	4.387	4.338	3.8
1,1,2,2-Tetrachloroethane	0.947	0.851	0.964	0.914	0.982	0.868	0.921	5.7
1,3-Dichlorobenzene	2.060	1.901	2.017	1.911	1.977	1.858	1.954	3.9
1,4-Dichlorobenzene	2.044	1.907	1.985	1.824	1.942	1.783	1.914	5.1
1,2-Dichlorobenzene	1.806	1.694	1.765	1.677	1.802	1.646	1.732	3.9
1,2-Dibromo-3-Chloropropane	0.183	0.145	0.169	0.160	0.180	0.160	0.166	8.5
1,2,4-Trichlorobenzene	1.113	0.952	1.036	0.984	1.171	1.010	1.044	7.9
1,2,3-Trichlorobenzene	0.976	0.898	0.907	0.935	1.042	0.920	0.946	5.7
1,2-Dichloroethane-d4	0.899	0.744	0.782	0.709	0.717	0.686	0.756	10.2
Dibromofluoromethane	0.358	0.353	0.346	0.326	0.330	0.324	0.340	4.3
Toluene-d8	1.393	1.309	1.327	1.224	1.259	1.204	1.286	5.5
4-Bromofluorobenzene	0.542	0.515	0.516	0.460	0.476	0.452	0.494	7.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_W

Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W072225S.M
Title : SW846 8260
Last Update : Wed Jul 23 08:18:46 2025
Response Via : Initial Calibration

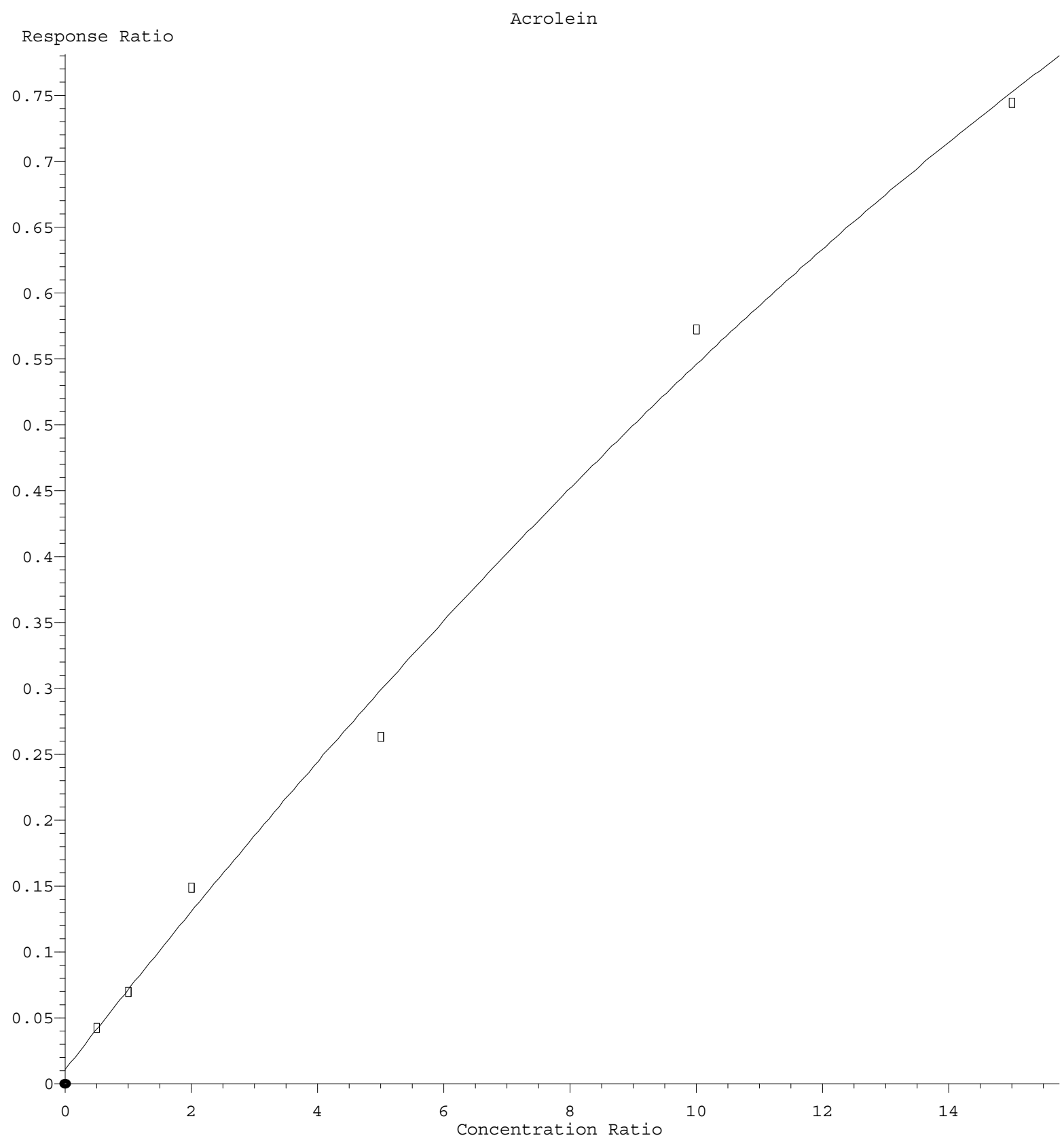
Calibration Files
5 =VW031891.D 10 =VW031892.D 20 =VW031893.D 50 =VW031894.D 100 =VW031895.D 150 =VW031896.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.427	0.364	0.355	0.358	0.369	0.357	0.372	7.40
3)	P	Chloromethane	0.533	0.475	0.462	0.434	0.459	0.498	0.477	7.24
4)	C	Vinyl Chloride	0.635	0.615	0.612	0.615	0.617	0.624	0.620	1.35#
5)	T	Bromomethane	0.500	0.454	0.444	0.434	0.448	0.457	0.456	5.04
6)	T	Chloroethane	0.448	0.395	0.394	0.392	0.409	0.414	0.409	5.19
7)	T	Trichlorofluor...	0.670	0.552	0.574	0.679	0.625	0.666	0.628	8.55
8)	T	Diethyl Ether	0.516	0.383	0.430	0.389	0.401	0.396	0.419	11.97
9)	T	1,1,2-Trichlor...	0.674	0.603	0.582	0.589	0.584	0.590	0.604	5.82
10)	T	Methyl Iodide	0.971	0.881	0.901	0.865	0.896	0.900	0.902	4.03
11)	T	Tert butyl alc...	0.048	0.039	0.047	0.044	0.049	0.041	0.044	8.99
12)	CM	1,1-Dichloroet...	0.714	0.656	0.650	0.645	0.667	0.669	0.667	3.73#
13)	T	Acrolein	0.085	0.070	0.074	0.053	0.057	0.050	0.065	21.29
14)	T	Allyl chloride	1.090	0.989	1.032	1.011	1.041	1.064	1.038	3.52
15)	T	Acrylonitrile	0.203	0.170	0.194	0.182	0.196	0.180	0.187	6.57
16)	T	Acetone	0.206	0.189	0.186	0.166	0.168	0.163	0.179	9.34
17)	T	Carbon Disulfide	1.775	1.643	1.708	1.693	1.757	1.798	1.729	3.36
18)	T	Methyl Acetate	0.528	0.427	0.529	0.475	0.527	0.481	0.494	8.36
19)	T	Methyl tert-bu...	1.271	1.110	1.204	1.132	1.153	1.042	1.152	6.86
20)	T	Methylene Chlo...	1.615	0.931	0.910	0.756	0.730	0.722	0.944	36.15
21)	T	trans-1,2-Dich...	0.767	0.679	0.697	0.691	0.699	0.712	0.707	4.38
22)	T	Diisopropyl ether	2.209	1.963	2.111	2.067	2.076	2.035	2.077	3.93
23)	T	Vinyl Acetate	1.403	1.230	1.372	1.355	1.438	1.343	1.357	5.25
24)	P	1,1-Dichloroet...	1.372	1.262	1.274	1.263	1.291	1.296	1.293	3.20
25)	T	2-Butanone	0.260	0.231	0.266	0.236	0.254	0.227	0.246	6.69
26)	T	2,2-Dichloropr...	0.814	0.704	0.696	0.738	0.700	0.740	0.732	6.07
27)	T	cis-1,2-Dichlo...	0.878	0.789	0.821	0.824	0.846	0.831	0.832	3.55
28)	T	Bromochloromet...	0.585	0.520	0.546	0.526	0.542	0.531	0.541	4.32
29)	T	Tetrahydrofuran	0.172	0.143	0.170	0.159	0.172	0.149	0.161	7.80
30)	C	Chloroform	1.436	1.336	1.362	1.314	1.348	1.338	1.356	3.11#
31)	T	Cyclohexane	1.399	1.176	1.078	1.099	1.100	1.107	1.160	10.50
32)	T	1,1,1-Trichlor...	1.114	1.017	1.008	1.010	1.009	1.032	1.032	4.02
33)	S	1,2-Dichloroet...	0.899	0.744	0.782	0.709	0.717	0.686	0.756	10.23
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.358	0.353	0.346	0.326	0.330	0.324	0.340	4.29
36)	T	1,1-Dichloropr...	0.529	0.531	0.520	0.509	0.527	0.514	0.522	1.73
37)	T	Ethyl Acetate	0.309	0.280	0.303	0.295	0.318	0.280	0.298	5.25
38)	T	Carbon Tetrach...	0.489	0.498	0.502	0.493	0.517	0.506	0.501	1.97
39)	T	Methylcyclohexane	0.655	0.643	0.637	0.657	0.690	0.659	0.657	2.80
40)	TM	Benzene	1.558	1.540	1.565	1.520	1.569	1.517	1.545	1.46
41)	T	Methacrylonitrile	0.179	0.179	0.177	0.179	0.188	0.166	0.178	3.94
42)	TM	1,2-Dichloroet...	0.508	0.484	0.516	0.480	0.507	0.471	0.494	3.74
43)	T	Isopropyl Acetate	0.544	0.491	0.556	0.531	0.589	0.523	0.539	6.14
44)	TM	Trichloroethene	0.370	0.372	0.356	0.362	0.375	0.368	0.367	1.83
45)	C	1,2-Dichloropr...	0.381	0.367	0.376	0.360	0.377	0.370	0.372	2.06#
46)	T	Dibromomethane	0.233	0.226	0.241	0.226	0.236	0.221	0.231	3.25
47)	T	Bromodichlorom...	0.537	0.546	0.561	0.535	0.582	0.557	0.553	3.22
48)	T	Methyl methacr...	0.244	0.229	0.272	0.256	0.281	0.255	0.256	7.27
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.003	0.003	0.002	0.002	13.34
50)	S	Toluene-d8	1.393	1.309	1.327	1.224	1.259	1.204	1.286	5.48
51)	T	4-Methyl-2-Pen...	0.293	0.270	0.317	0.295	0.320	0.273	0.295	7.10
52)	CM	Toluene	0.992	0.998	1.003	0.979	0.998	0.986	0.993	0.91#
53)	T	t-1,3-Dichloro...	0.502	0.496	0.535	0.522	0.575	0.552	0.530	5.71
54)	T	cis-1,3-Dichlo...	0.591	0.578	0.601	0.602	0.646	0.617	0.606	3.87
55)	T	1,1,2-Trichlor...	0.316	0.297	0.314	0.300	0.317	0.295	0.306	3.35
56)	T	Ethyl methacry...	0.397	0.388	0.443	0.442	0.487	0.439	0.433	8.31

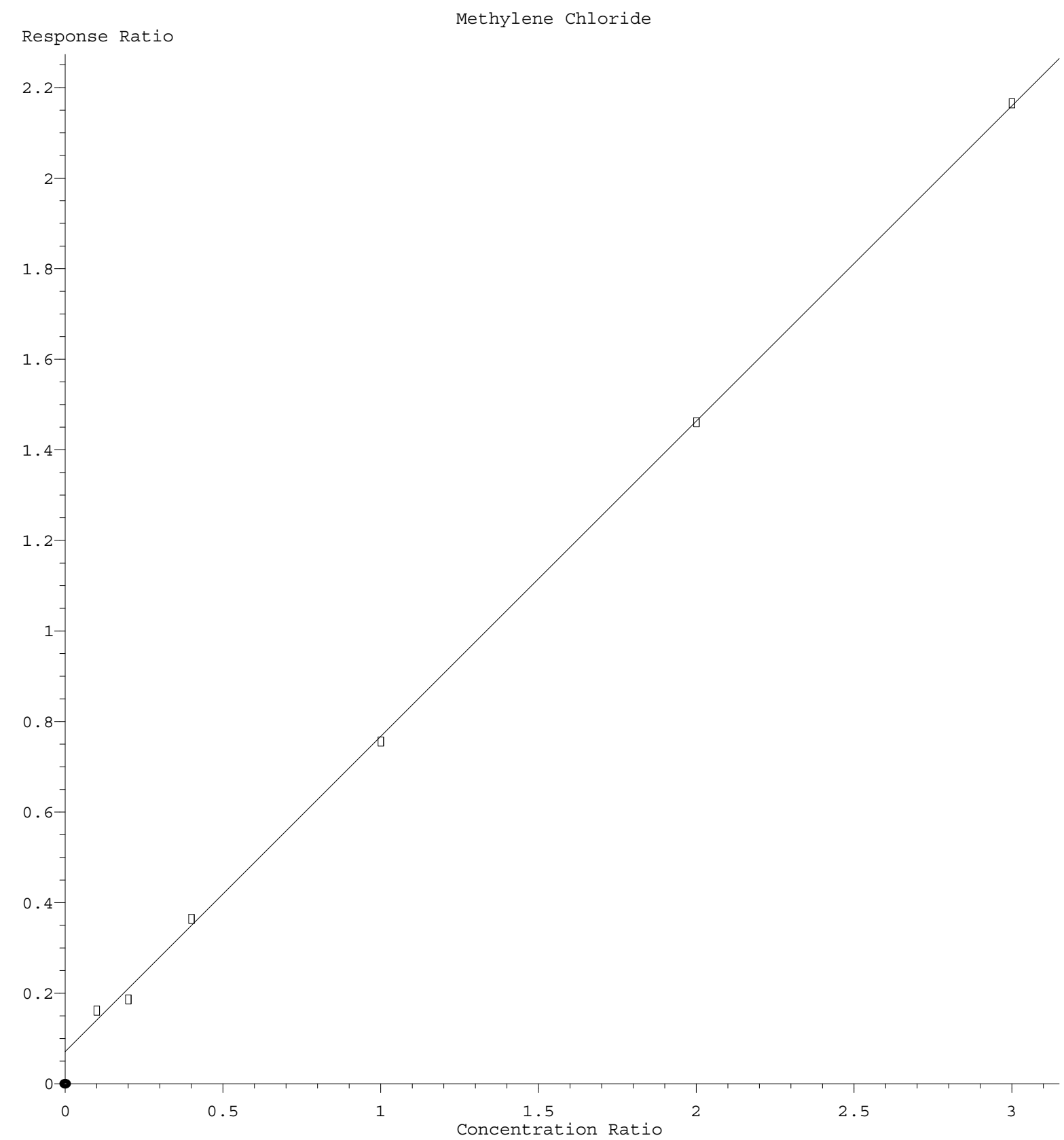
Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
Method File : 82W072225S.M

57)	T	1,3-Dichloropr...	0.538	0.525	0.564	0.533	0.565	0.513	0.540	3.86
58)	T	2-Chloroethyl ...	0.209	0.205	0.228	0.223	0.244	0.223	0.222	6.26
59)	T	2-Hexanone	0.205	0.188	0.220	0.206	0.222	0.189	0.205	7.09
60)	T	Dibromochlorom...	0.349	0.339	0.358	0.351	0.386	0.359	0.357	4.52
61)	T	1,2-Dibromoethane	0.302	0.291	0.318	0.297	0.318	0.290	0.303	4.20
62)	S	4-Bromofluorob...	0.542	0.515	0.516	0.460	0.476	0.452	0.494	7.23
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.345	0.334	0.333	0.324	0.319	0.323	0.330	2.91
65)	PM	Chlorobenzene	1.216	1.227	1.257	1.244	1.193	1.205	1.224	1.97
66)	T	1,1,1,2-Tetrac...	0.379	0.366	0.394	0.377	0.377	0.383	0.379	2.40
67)	C	Ethyl Benzene	2.167	2.107	2.165	2.226	2.099	2.137	2.150	2.16#
68)	T	m/p-Xylenes	0.808	0.801	0.829	0.823	0.794	0.802	0.809	1.68
69)	T	o-Xylene	0.734	0.742	0.774	0.796	0.769	0.780	0.766	3.08
70)	T	Styrene	1.277	1.260	1.344	1.361	1.276	1.308	1.304	3.12
71)	P	Bromoform	0.202	0.182	0.208	0.219	0.223	0.211	0.207	7.09
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.192	4.207	4.224	4.405	4.614	4.387	4.338	3.78
74)	T	N-amyl acetate	1.138	1.029	1.188	1.193	1.319	1.171	1.173	7.98
75)	P	1,1,2,2-Tetrac...	0.947	0.851	0.964	0.914	0.982	0.868	0.921	5.73
76)	T	1,2,3-Trichlor...	0.728	0.641	0.704	0.690	0.735	0.643	0.690	5.90
77)	T	Bromobenzene	0.924	0.906	0.982	0.909	0.974	0.938	0.939	3.45
78)	T	n-propylbenzene	5.336	5.173	5.267	5.332	5.578	5.284	5.328	2.55
79)	T	2-Chlorotoluene	3.196	3.091	3.176	3.131	3.306	3.187	3.181	2.29
80)	T	1,3,5-Trimethy...	3.536	3.502	3.620	3.593	3.923	3.657	3.638	4.13
81)	T	trans-1,4-Dich...	0.275	0.256	0.301	0.300	0.349	0.313	0.299	10.67
82)	T	4-Chlorotoluene	3.414	3.360	3.311	3.278	3.384	3.277	3.337	1.72
83)	T	tert-Butylbenzene	3.105	2.985	3.028	3.080	3.325	3.074	3.099	3.82
84)	T	1,2,4-Trimethy...	3.699	3.640	3.651	3.685	3.787	3.634	3.683	1.56
85)	T	sec-Butylbenzene	4.715	4.590	4.604	4.619	4.748	4.651	4.654	1.38
86)	T	p-Isopropyltol...	3.892	3.746	3.759	3.842	4.056	3.788	3.847	3.02
87)	T	1,3-Dichlorobe...	2.060	1.901	2.017	1.911	1.977	1.858	1.954	3.94
88)	T	1,4-Dichlorobe...	2.044	1.907	1.985	1.824	1.942	1.783	1.914	5.13
89)	T	n-Butylbenzene	3.842	3.598	3.663	3.827	3.966	3.747	3.774	3.53
90)	T	Hexachloroethane	0.686	0.600	0.648	0.643	0.713	0.701	0.665	6.35
91)	T	1,2-Dichlorobe...	1.806	1.694	1.765	1.677	1.802	1.646	1.732	3.94
92)	T	1,2-Dibromo-3-...	0.183	0.145	0.169	0.160	0.180	0.160	0.166	8.54
93)	T	1,2,4-Trichlor...	1.113	0.952	1.036	0.984	1.171	1.010	1.044	7.92
94)	T	Hexachlorobuta...	0.524	0.459	0.486	0.489	0.525	0.486	0.495	5.14
95)	T	Naphthalene	2.581	2.257	2.534	2.535	2.913	2.584	2.567	8.14
96)	T	1,2,3-Trichlor...	0.976	0.898	0.907	0.935	1.042	0.920	0.946	5.73

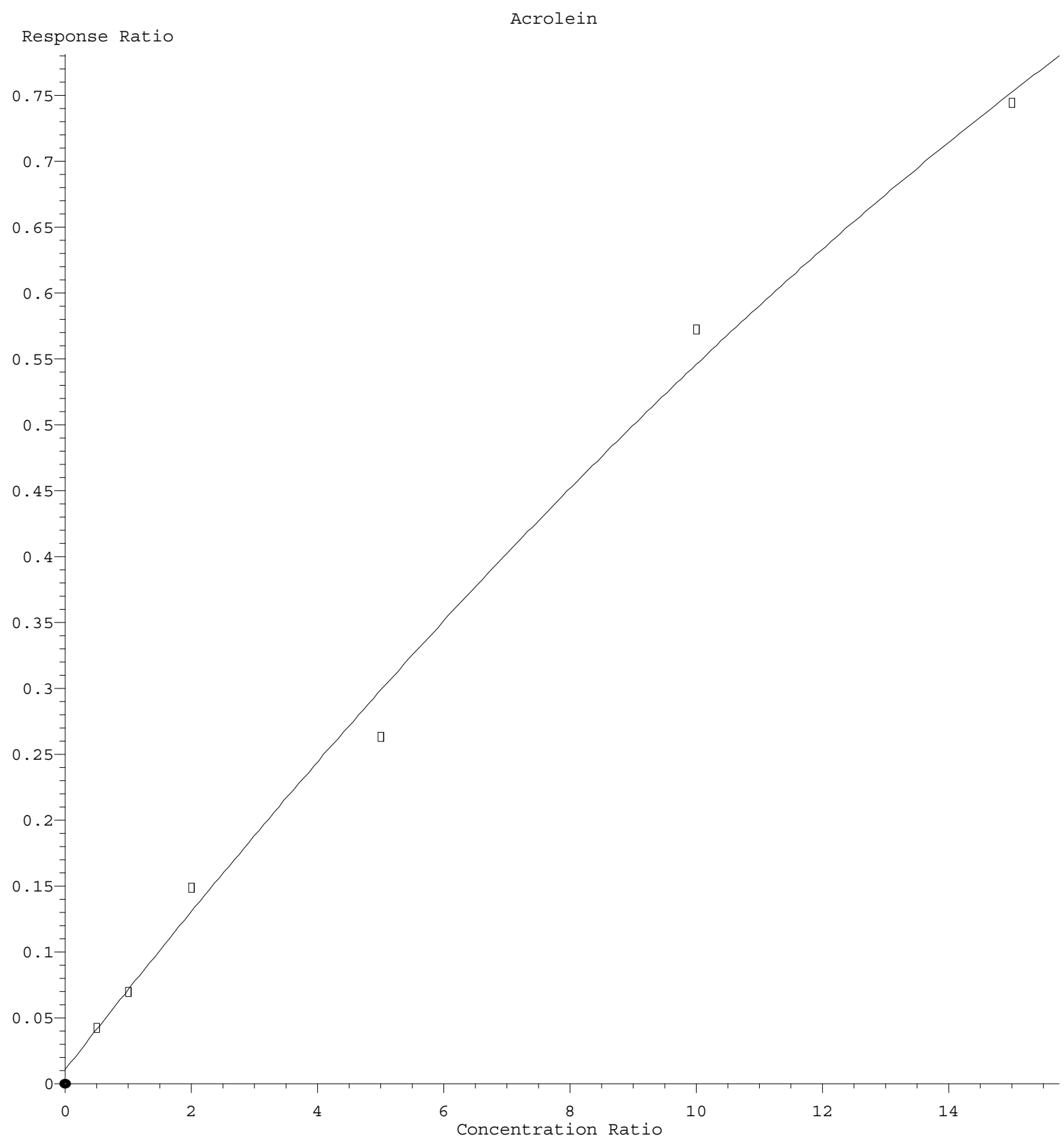
(#) = Out of Range



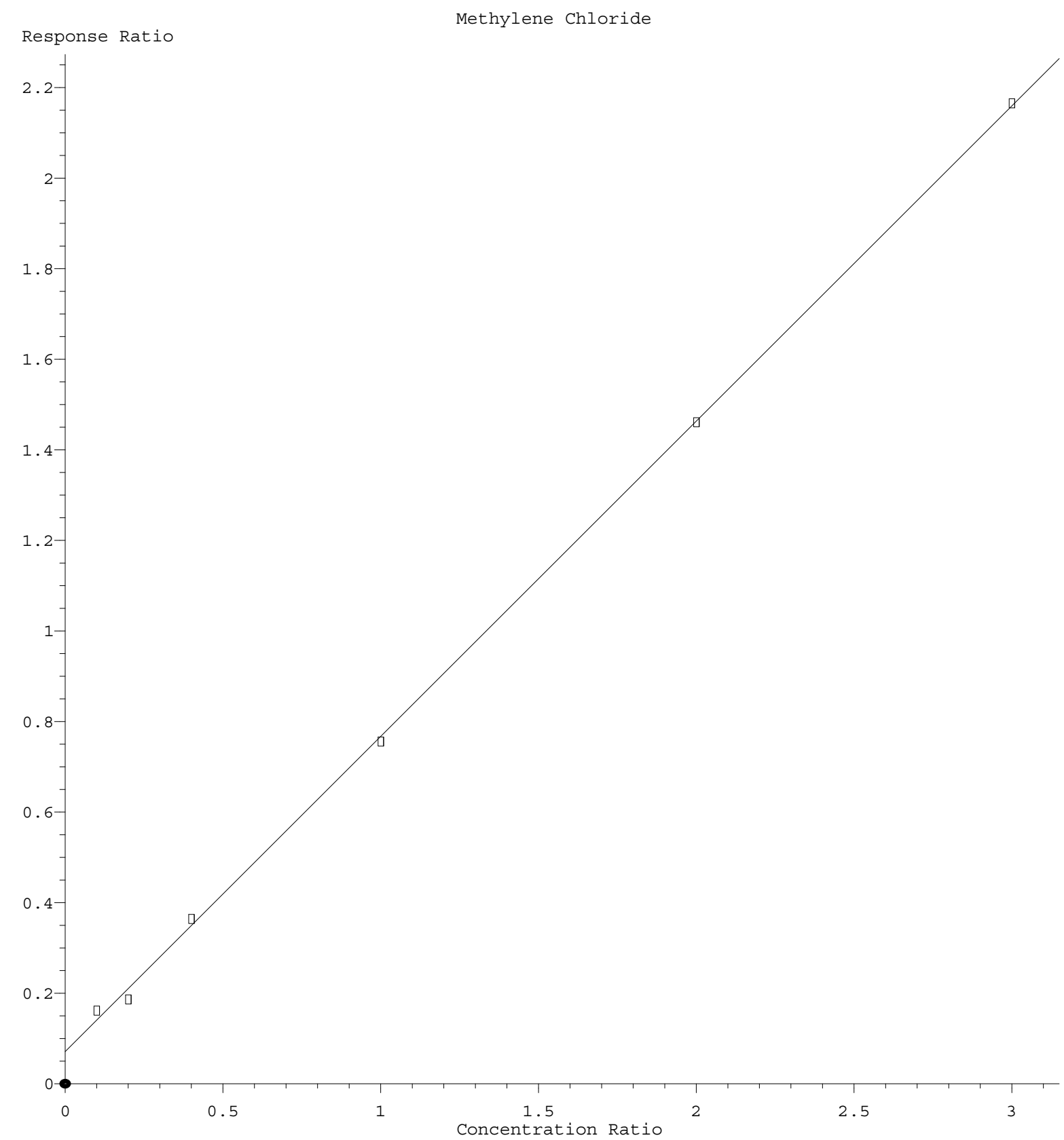
R = -8.138e-004 A*A + 6.165e-002 A + 1.071e-002
Coef of Det (r^2) = 0.994336 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W072225S.M
Calibration Table Last Updated: Wed Jul 23 08:18:46 2025



Response = 6.962e-001 * Amt + 7.147e-002
Coef of Det (r^2) = 0.999576 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W072225S.M
Calibration Table Last Updated: Wed Jul 23 08:18:46 2025



R = -8.138e-004 A*A + 6.165e-002 A + 1.071e-002
Coef of Det (r^2) = 0.994336 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W072225S.M
Calibration Table Last Updated: Wed Jul 23 08:18:46 2025



Response = 6.962e-001 * Amt + 7.147e-002
Coef of Det (r^2) = 0.999576 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W072225S.M
Calibration Table Last Updated: Wed Jul 23 08:18:46 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.965	168	228235	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.856	114	449234	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.629	117	394805	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	183530	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.325	65	20528	5.946	ug/l		0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	11.900%#			
35) Dibromofluoromethane	7.904	113	16097	5.273	ug/l		0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	10.540%#			
50) Toluene-d8	10.325	98	62567	5.416	ug/l		0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	10.840%#			
62) 4-Bromofluorobenzene	12.617	95	24327	5.484	ug/l		0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	10.960%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.052	85	9741	5.742	ug/l		97
3) Chloromethane	2.265	50	12168	5.589	ug/l		95
4) Vinyl Chloride	2.412	62	14484	5.121	ug/l		98
5) Bromomethane	2.832	94	11418	5.482	ug/l		98
6) Chloroethane	2.985	64	10231	5.481	ug/l		95
7) Trichlorofluoromethane	3.320	101	15281	5.334	ug/l		96
8) Diethyl Ether	3.735	74	11778	6.155	ug/l		93
9) 1,1,2-Trichlorotrifluo...	4.112	101	15377	5.581	ug/l		99
10) Methyl Iodide	4.314	142	22169	5.381	ug/l		97
11) Tert butyl alcohol	5.222	59	5422	26.716	ug/l		99
12) 1,1-Dichloroethene	4.082	96	16290	5.353	ug/l		94
13) Acrolein	3.942	56	9673	25.862	ug/l		97
14) Allyl chloride	4.716	41	24887	5.253	ug/l		97
15) Acrylonitrile	5.411	53	23139	27.048	ug/l		98
16) Acetone	4.173	43	23464	28.639	ug/l		99
17) Carbon Disulfide	4.423	76	40508	5.132	ug/l		98
18) Methyl Acetate	4.716	43	12046	5.337	ug/l		95
19) Methyl tert-butyl Ether	5.472	73	29007	5.516	ug/l		93
20) Methylene Chloride	4.966	84	36859	6.466	ug/l		99
21) trans-1,2-Dichloroethene	5.466	96	17499	5.419	ug/l		96
22) Diisopropyl ether	6.344	45	50407	5.317	ug/l	#	88
23) Vinyl Acetate	6.289	43	160114	25.853	ug/l		98
24) 1,1-Dichloroethane	6.258	63	31324	5.307	ug/l		98
25) 2-Butanone	7.203	43	29641	26.442	ug/l		97
26) 2,2-Dichloropropane	7.191	77	18572	5.558	ug/l		100
27) cis-1,2-Dichloroethene	7.203	96	20040	5.279	ug/l		100
28) Bromochloromethane	7.539	49	13347	5.401	ug/l		99
29) Tetrahydrofuran	7.557	42	19682	26.780	ug/l		98
30) Chloroform	7.697	83	32764	5.294	ug/l		99
31) Cyclohexane	7.972	56	31936	6.031	ug/l	#	79
32) 1,1,1-Trichloroethane	7.886	97	25435	5.401	ug/l		96
36) 1,1-Dichloropropene	8.100	75	23778	5.072	ug/l		98
37) Ethyl Acetate	7.277	43	13902m	5.198	ug/l		
38) Carbon Tetrachloride	8.087	117	21986	4.887	ug/l		93
39) Methylcyclohexane	9.343	83	29428	4.988	ug/l		98
40) Benzene	8.343	78	69976	5.043	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	8040m	5.104	ug/l		
42) 1,2-Dichloroethane	8.417	62	22835	5.141	ug/l		100
43) Isopropyl Acetate	8.435	43	24443	5.049	ug/l		99
44) Trichloroethene	9.105	130	16617	5.038	ug/l		97
45) 1,2-Dichloropropane	9.380	63	17128	5.125	ug/l		98
46) Dibromomethane	9.471	93	10488	5.062	ug/l		98
47) Bromodichloromethane	9.654	83	24125	4.856	ug/l		96
48) Methyl methacrylate	9.447	41	10983	4.768	ug/l		95
49) 1,4-Dioxane	9.465	88	1664	80.493	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.215	43	65866	24.860	ug/l		98
52) Toluene	10.392	92	44580	4.997	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	22560	4.734	ug/l		97
54) cis-1,3-Dichloropropene	10.081	75	26530	4.875	ug/l		97
55) 1,1,2-Trichloroethane	10.788	97	14199	5.160	ug/l		99
56) Ethyl methacrylate	10.648	69	17819	4.585	ug/l		92
57) 1,3-Dichloropropane	10.934	76	24166	4.985	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.929	63	46965	23.525	ug/l		99
59) 2-Hexanone	10.971	43	45962	24.957	ug/l		96
60) Dibromochloromethane	11.130	129	15663	4.882	ug/l		96
61) 1,2-Dibromoethane	11.239	107	13545	4.981	ug/l		99
64) Tetrachloroethene	10.861	164	13609	5.228	ug/l	#	88
65) Chlorobenzene	11.660	112	47998	4.967	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.733	131	14955	4.992	ug/l		99
67) Ethyl Benzene	11.733	91	85548	5.039	ug/l		100
68) m/p-Xylenes	11.843	106	63820	9.986	ug/l		100
69) o-Xylene	12.166	106	28989	4.793	ug/l		94
70) Styrene	12.178	104	50399	4.894	ug/l		98
71) Bromoform	12.349	173	7989	4.877	ug/l	#	95
73) Isopropylbenzene	12.459	105	76941	4.832	ug/l		100
74) N-amyl acetate	12.270	43	20889	4.852	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.715	83	17372	5.139	ug/l		97
76) 1,2,3-Trichloropropane	12.763	75	13366m	5.320	ug/l		
77) Bromobenzene	12.745	156	16967	4.924	ug/l		98
78) n-propylbenzene	12.806	91	97940	5.008	ug/l		100
79) 2-Chlorotoluene	12.885	91	58659	5.023	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	64888	4.859	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	5052	4.603	ug/l		94
82) 4-Chlorotoluene	12.989	91	62666	5.115	ug/l		99
83) tert-Butylbenzene	13.202	119	56981	5.009	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	67882	5.022	ug/l		97
85) sec-Butylbenzene	13.379	105	86541	5.066	ug/l		98
86) p-Isopropyltoluene	13.489	119	71432	5.059	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	37803	5.271	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	37516	5.340	ug/l		94
89) n-Butylbenzene	13.818	91	70505	5.090	ug/l		98
90) Hexachloroethane	14.086	117	12586	5.154	ug/l		98
91) 1,2-Dichlorobenzene	13.867	146	33137	5.213	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	3359	5.501	ug/l		96
93) 1,2,4-Trichlorobenzene	15.123	180	20425	5.328	ug/l		93
94) Hexachlorobutadiene	15.226	225	9622	5.297	ug/l		99
95) Naphthalene	15.360	128	47376	5.027	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	17912	5.157	ug/l		94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

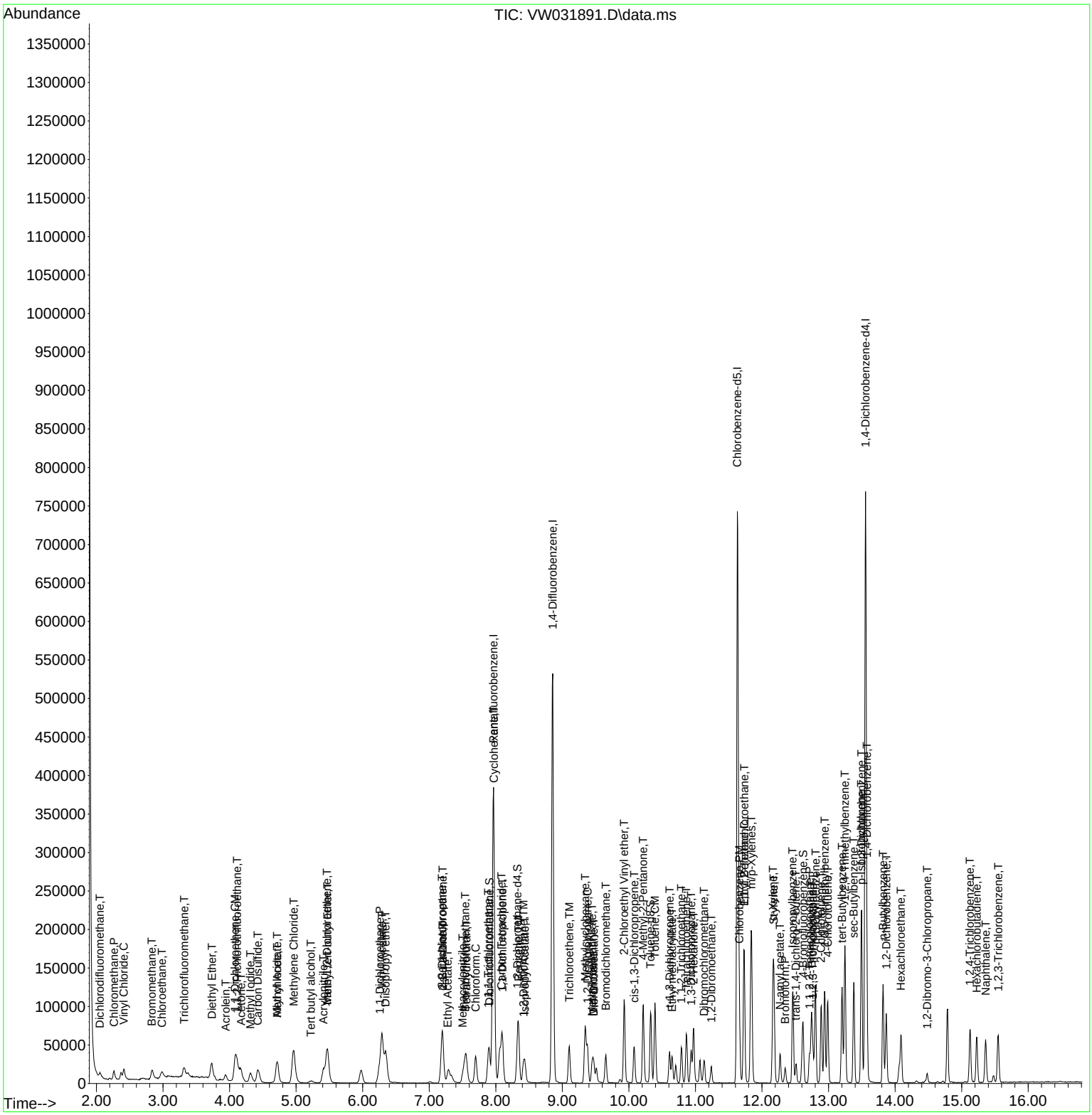
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031891.D
Acq On : 22 Jul 2025 09:05
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 23 07:59:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	231127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	416059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	372788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	34413	9.843	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	19.680%#		
35) Dibromofluoromethane	7.898	113	29377	10.391	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	20.780%#		
50) Toluene-d8	10.325	98	108902	10.178	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.360%#		
62) 4-Bromofluorobenzene	12.617	95	42871	10.434	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	16819	9.791	ug/l	90
3) Chloromethane	2.253	50	21940	9.951	ug/l	99
4) Vinyl Chloride	2.405	62	28422	9.924	ug/l	95
5) Bromomethane	2.826	94	20976	9.946	ug/l	92
6) Chloroethane	2.972	64	18282	9.672	ug/l	95
7) Trichlorofluoromethane	3.308	101	25531	8.801	ug/l	93
8) Diethyl Ether	3.722	74	17727	9.148	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	27862	9.986	ug/l	100
10) Methyl Iodide	4.313	142	40718	9.760	ug/l	99
11) Tert butyl alcohol	5.222	59	9045	44.010	ug/l #	88
12) 1,1-Dichloroethene	4.076	96	30316	9.837	ug/l	94
13) Acrolein	3.929	56	16101	48.430	ug/l	100
14) Allyl chloride	4.704	41	45698	9.525	ug/l	99
15) Acrylonitrile	5.405	53	39188	45.235	ug/l	97
16) Acetone	4.167	43	43690	52.659	ug/l	96
17) Carbon Disulfide	4.417	76	75927	9.499	ug/l	97
18) Methyl Acetate	4.710	43	19716	8.625	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	51288	9.632	ug/l	99
20) Methylene Chloride	4.954	84	43038	8.241	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	31392	9.600	ug/l	97
22) Diisopropyl ether	6.344	45	90747	9.453	ug/l	98
23) Vinyl Acetate	6.283	43	284185	45.312	ug/l	98
24) 1,1-Dichloroethane	6.246	63	58334	9.760	ug/l	98
25) 2-Butanone	7.197	43	53335	46.984	ug/l	100
26) 2,2-Dichloropropane	7.191	77	32523	9.611	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	36460	9.485	ug/l	98
28) Bromochloromethane	7.526	49	24018	9.597	ug/l	97
29) Tetrahydrofuran	7.551	42	33119	44.500	ug/l	98
30) Chloroform	7.691	83	61757	9.854	ug/l	98
31) Cyclohexane	7.971	56	54338	10.133	ug/l #	95
32) 1,1,1-Trichloroethane	7.886	97	46989	9.853	ug/l	98
36) 1,1-Dichloropropene	8.093	75	44218	10.184	ug/l	99
37) Ethyl Acetate	7.270	43	23295	9.405	ug/l	99
38) Carbon Tetrachloride	8.081	117	41429	9.943	ug/l	98
39) Methylcyclohexane	9.343	83	53466	9.785	ug/l	95
40) Benzene	8.337	78	128121	9.969	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	14893m	10.209	ug/l		
42) 1,2-Dichloroethane	8.410	62	40250	9.785	ug/l		99
43) Isopropyl Acetate	8.435	43	40842	9.109	ug/l		99
44) Trichloroethene	9.099	130	30934	10.126	ug/l		94
45) 1,2-Dichloropropane	9.374	63	30529	9.863	ug/l		93
46) Dibromomethane	9.465	93	18831	9.814	ug/l		96
47) Bromodichloromethane	9.648	83	45402	9.868	ug/l		98
48) Methyl methacrylate	9.441	41	19089	8.949	ug/l		99
49) 1,4-Dioxane	9.471	88	3526	184.165	ug/l	#	72
51) 4-Methyl-2-Pentanone	10.215	43	112498	45.845	ug/l		98
52) Toluene	10.392	92	83069	10.054	ug/l		99
53) t-1,3-Dichloropropene	10.611	75	41264	9.349	ug/l		96
54) cis-1,3-Dichloropropene	10.081	75	48135	9.550	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	24676	9.682	ug/l		95
56) Ethyl methacrylate	10.648	69	32317	8.978	ug/l		99
57) 1,3-Dichloropropane	10.934	76	43658	9.723	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	85410	46.194	ug/l		100
59) 2-Hexanone	10.971	43	78182	45.837	ug/l		99
60) Dibromochloromethane	11.129	129	28189	9.486	ug/l		99
61) 1,2-Dibromoethane	11.239	107	24219	9.617	ug/l		99
64) Tetrachloroethene	10.861	164	24918	10.138	ug/l		96
65) Chlorobenzene	11.660	112	91460	10.024	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.733	131	27287	9.647	ug/l		98
67) Ethyl Benzene	11.733	91	157107	9.801	ug/l		100
68) m/p-Xylenes	11.843	106	119437	19.791	ug/l		97
69) o-Xylene	12.166	106	55307	9.684	ug/l		98
70) Styrene	12.178	104	93933	9.660	ug/l		99
71) Bromoform	12.349	173	13549	8.759	ug/l	#	97
73) Isopropylbenzene	12.458	105	147152	9.698	ug/l		100
74) N-amyl acetate	12.269	43	35992	8.774	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.714	83	29777	9.245	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	22414m	9.362	ug/l		
77) Bromobenzene	12.739	156	31681	9.650	ug/l		98
78) n-propylbenzene	12.800	91	180937	9.709	ug/l		98
79) 2-Chlorotoluene	12.891	91	108108	9.716	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	122504	9.626	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	8950	8.558	ug/l		94
82) 4-Chlorotoluene	12.983	91	117523	10.068	ug/l		98
83) tert-Butylbenzene	13.202	119	104397	9.630	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	127309	9.883	ug/l		100
85) sec-Butylbenzene	13.379	105	160534	9.861	ug/l		100
86) p-Isopropyltoluene	13.495	119	131018	9.737	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	66474	9.727	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	66689	9.961	ug/l		97
89) n-Butylbenzene	13.818	91	125846	9.534	ug/l		99
90) Hexachloroethane	14.086	117	21002	9.026	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	59263	9.785	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5072	8.716	ug/l		95
93) 1,2,4-Trichlorobenzene	15.129	180	33290	9.114	ug/l		99
94) Hexachlorobutadiene	15.226	225	16064	9.281	ug/l		93
95) Naphthalene	15.360	128	78956	8.792	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	31394	9.486	ug/l		92

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

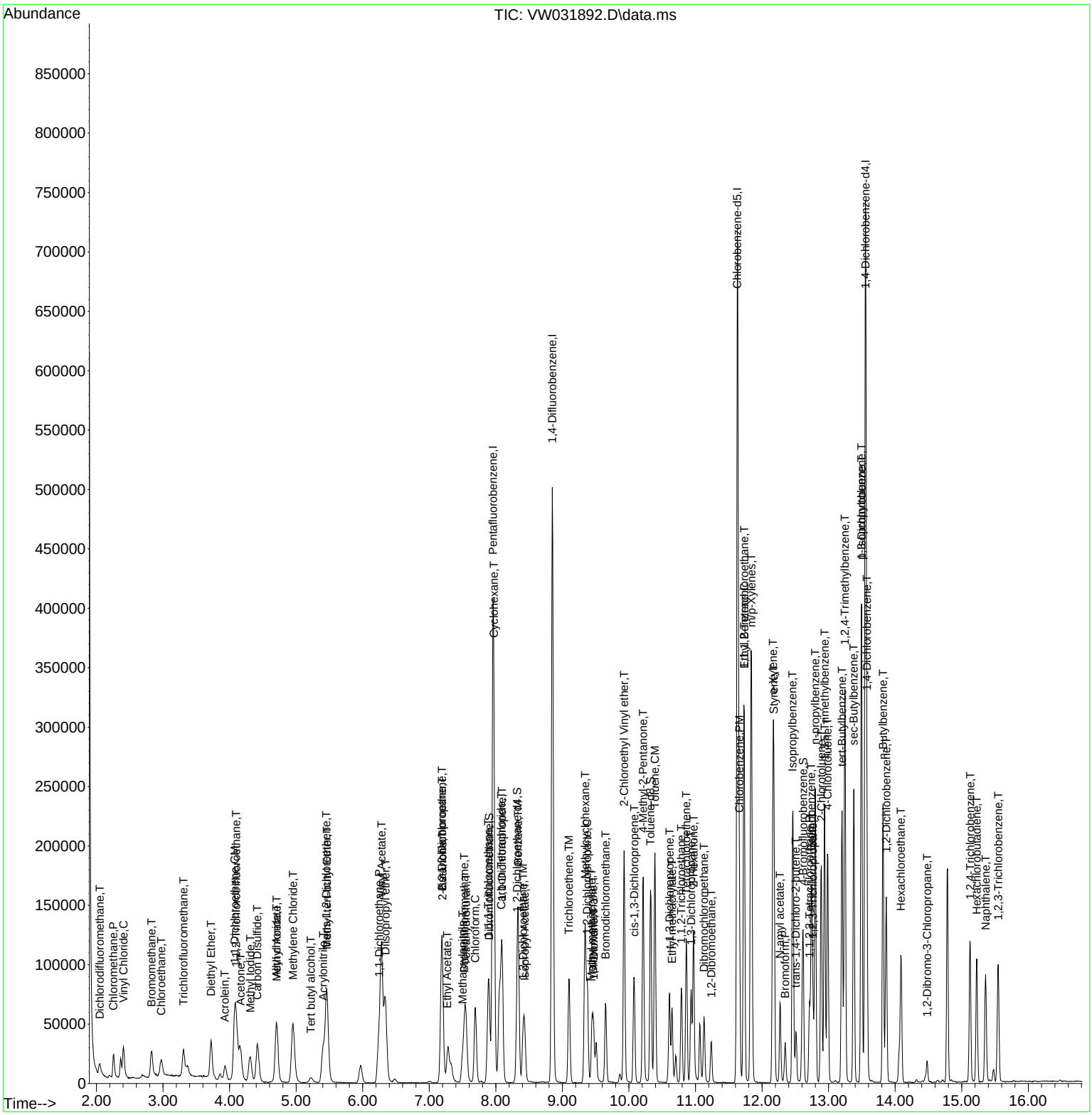
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031892.D
Acq On : 22 Jul 2025 09:37
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 23 08:00:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	229449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	418770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	369653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	174259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	71753	20.672	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.340%#		
35) Dibromofluoromethane	7.892	113	57971	20.372	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134		Recovery =	40.740%#		
50) Toluene-d8	10.325	98	222244	20.636	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	41.280%#		
62) 4-Bromofluorobenzene	12.617	95	86515	20.921	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	32547	19.086	ug/l	91
3) Chloromethane	2.253	50	42396	19.370	ug/l	99
4) Vinyl Chloride	2.405	62	56162	19.752	ug/l	95
5) Bromomethane	2.826	94	40732	19.454	ug/l	94
6) Chloroethane	2.972	64	36178	19.279	ug/l	98
7) Trichlorofluoromethane	3.302	101	52674	18.291	ug/l	97
8) Diethyl Ether	3.716	74	39501	20.534	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	53456	19.298	ug/l	98
10) Methyl Iodide	4.301	142	82715	19.972	ug/l	99
11) Tert butyl alcohol	5.222	59	21622	105.975	ug/l	99
12) 1,1-Dichloroethene	4.076	96	59622	19.488	ug/l	97
13) Acrolein	3.930	56	34117	115.420	ug/l	99
14) Allyl chloride	4.704	41	94691	19.882	ug/l	99
15) Acrylonitrile	5.399	53	89035	103.525	ug/l	99
16) Acetone	4.161	43	85144	103.374	ug/l	96
17) Carbon Disulfide	4.417	76	156802	19.761	ug/l	100
18) Methyl Acetate	4.710	43	48524	21.384	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	110536	20.910	ug/l	94
20) Methylene Chloride	4.948	84	83480	20.998	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	63984	19.711	ug/l	97
22) Diisopropyl ether	6.332	45	193706	20.325	ug/l	94
23) Vinyl Acetate	6.283	43	629578	101.117	ug/l	98
24) 1,1-Dichloroethane	6.246	63	116889	19.699	ug/l	98
25) 2-Butanone	7.191	43	121949	108.213	ug/l	98
26) 2,2-Dichloropropane	7.185	77	63903	19.023	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	75384	19.753	ug/l	98
28) Bromochloromethane	7.526	49	50074	20.156	ug/l #	15
29) Tetrahydrofuran	7.551	42	78147	105.769	ug/l	99
30) Chloroform	7.691	83	125023	20.096	ug/l	97
31) Cyclohexane	7.965	56	98980	18.594	ug/l #	94
32) 1,1,1-Trichloroethane	7.886	97	92496	19.538	ug/l	98
36) 1,1-Dichloropropene	8.093	75	87130	19.938	ug/l	100
37) Ethyl Acetate	7.277	43	50830	20.390	ug/l	100
38) Carbon Tetrachloride	8.081	117	84031	20.036	ug/l	99
39) Methylcyclohexane	9.337	83	106658	19.394	ug/l	97
40) Benzene	8.331	78	262100	20.261	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	29705	20.230	ug/l		92
42) 1,2-Dichloroethane	8.410	62	86447	20.880	ug/l		99
43) Isopropyl Acetate	8.435	43	93094	20.628	ug/l		99
44) Trichloroethene	9.099	130	59670	19.406	ug/l		91
45) 1,2-Dichloropropane	9.374	63	63028	20.231	ug/l		99
46) Dibromomethane	9.465	93	40434	20.937	ug/l		98
47) Bromodichloromethane	9.648	83	93907	20.278	ug/l		98
48) Methyl methacrylate	9.441	41	45551	21.215	ug/l		99
49) 1,4-Dioxane	9.465	88	7579	393.293	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.209	43	265574	107.527	ug/l		100
52) Toluene	10.392	92	168089	20.213	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	89603	20.170	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	100637	19.838	ug/l		96
55) 1,1,2-Trichloroethane	10.788	97	52531	20.477	ug/l		91
56) Ethyl methacrylate	10.648	69	74127	20.460	ug/l		99
57) 1,3-Dichloropropane	10.934	76	94430	20.894	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	191363	102.829	ug/l		100
59) 2-Hexanone	10.971	43	184643	107.552	ug/l		98
60) Dibromochloromethane	11.129	129	60033	20.071	ug/l		99
61) 1,2-Dibromoethane	11.233	107	53321	21.035	ug/l		96
64) Tetrachloroethene	10.867	164	49304	20.230	ug/l		93
65) Chlorobenzene	11.654	112	185932	20.552	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	58246	20.767	ug/l		97
67) Ethyl Benzene	11.727	91	320050	20.134	ug/l		100
68) m/p-Xylenes	11.837	106	245015	40.945	ug/l		97
69) o-Xylene	12.166	106	114484	20.216	ug/l		97
70) Styrene	12.178	104	198720	20.610	ug/l		99
71) Bromoform	12.349	173	30762	20.055	ug/l	#	97
73) Isopropylbenzene	12.459	105	294447	19.474	ug/l		100
74) N-amyl acetate	12.270	43	82784	20.253	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	67200	20.939	ug/l		100
76) 1,2,3-Trichloropropane	12.763	75	49056m	20.562	ug/l		
77) Bromobenzene	12.745	156	68424	20.916	ug/l		91
78) n-propylbenzene	12.800	91	367105	19.769	ug/l		100
79) 2-Chlorotoluene	12.891	91	221355	19.964	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	252317	19.898	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	20950	20.104	ug/l		96
82) 4-Chlorotoluene	12.983	91	230806	19.843	ug/l		100
83) tert-Butylbenzene	13.202	119	211034	19.537	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	254520	19.830	ug/l		98
85) sec-Butylbenzene	13.379	105	320882	19.782	ug/l		100
86) p-Isopropyltoluene	13.495	119	262000	19.541	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	140624	20.650	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	138374	20.743	ug/l		97
89) n-Butylbenzene	13.818	91	255308	19.411	ug/l		99
90) Hexachloroethane	14.086	117	45174	19.485	ug/l		93
91) 1,2-Dichlorobenzene	13.867	146	123056	20.390	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11802	20.355	ug/l		96
93) 1,2,4-Trichlorobenzene	15.129	180	72217	19.842	ug/l		93
94) Hexachlorobutadiene	15.226	225	33880	19.644	ug/l		98
95) Naphthalene	15.360	128	176597	19.736	ug/l		99
96) 1,2,3-Trichlorobenzene	15.543	180	63227	19.173	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

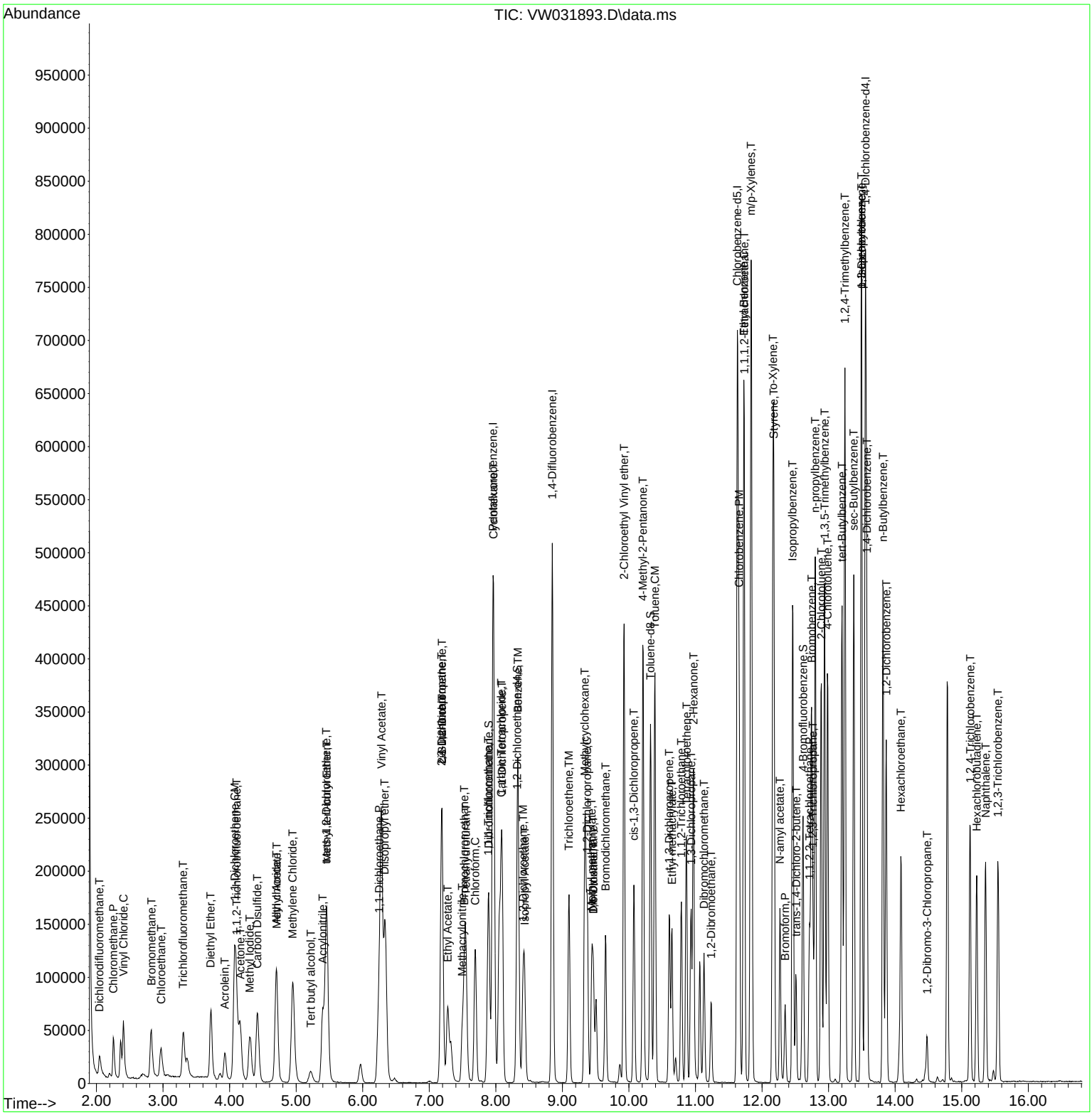
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031893.D
Acq On : 22 Jul 2025 10:17
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 23 08:01:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	225122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	418592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	358393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159650	46.880	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 93.760%			
35) Dibromofluoromethane	7.904	113	136603	48.025	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 96.060%			
50) Toluene-d8	10.325	98	512311	47.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.180%			
62) 4-Bromofluorobenzene	12.617	95	192744	46.629	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 93.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	80644	48.198	ug/l	100
3) Chloromethane	2.259	50	97775	45.529	ug/l	100
4) Vinyl Chloride	2.411	62	138448	49.629	ug/l	100
5) Bromomethane	2.832	94	97813	47.615	ug/l	100
6) Chloroethane	2.978	64	88298	47.958	ug/l	100
7) Trichlorofluoromethane	3.314	101	152835	54.091	ug/l	100
8) Diethyl Ether	3.728	74	87596	46.411	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.112	101	132678	48.819	ug/l	100
10) Methyl Iodide	4.307	142	194830	47.947	ug/l	100
11) Tert butyl alcohol	5.222	59	48976	244.659	ug/l	100
12) 1,1-Dichloroethene	4.076	96	145251	48.388	ug/l	100
13) Acrolein	3.942	56	59249	217.217	ug/l	100
14) Allyl chloride	4.710	41	227564	48.698	ug/l	100
15) Acrylonitrile	5.405	53	205004	242.948	ug/l	100
16) Acetone	4.167	43	186627	230.941	ug/l	100
17) Carbon Disulfide	4.423	76	381111	48.954	ug/l	100
18) Methyl Acetate	4.716	43	106992	48.056	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	254734	49.114	ug/l	100
20) Methylene Chloride	4.954	84	170144	49.149	ug/l	100
21) trans-1,2-Dichloroethene	5.466	96	155488	48.820	ug/l	100
22) Diisopropyl ether	6.344	45	465380	49.771	ug/l	100
23) Vinyl Acetate	6.289	43	1525293	249.686	ug/l	100
24) 1,1-Dichloroethane	6.246	63	284373	48.847	ug/l	100
25) 2-Butanone	7.191	43	266059	240.629	ug/l	100
26) 2,2-Dichloropropane	7.191	77	166236	50.437	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	185527	49.549	ug/l	100
28) Bromochloromethane	7.532	49	118407	48.577	ug/l	100
29) Tetrahydrofuran	7.557	42	179179	247.172	ug/l	100
30) Chloroform	7.691	83	295801	48.459	ug/l	100
31) Cyclohexane	7.971	56	247509	47.389	ug/l	100
32) 1,1,1-Trichloroethane	7.886	97	227418	48.961	ug/l	100
36) 1,1-Dichloropropene	8.099	75	213142	48.794	ug/l	100
37) Ethyl Acetate	7.276	43	123663	49.627	ug/l	100
38) Carbon Tetrachloride	8.081	117	206216	49.190	ug/l	100
39) Methylcyclohexane	9.343	83	274858	50.000	ug/l	100
40) Benzene	8.337	78	636145	49.197	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	75019	51.112	ug/l		100
42) 1,2-Dichloroethane	8.416	62	200964	48.561	ug/l		100
43) Isopropyl Acetate	8.435	43	222170	49.250	ug/l		100
44) Trichloroethene	9.105	130	151736	49.368	ug/l		100
45) 1,2-Dichloropropane	9.374	63	150788	48.420	ug/l		100
46) Dibromomethane	9.465	93	94479	48.942	ug/l		100
47) Bromodichloromethane	9.648	83	223852	48.359	ug/l		100
48) Methyl methacrylate	9.441	41	107066	49.887	ug/l		100
49) 1,4-Dioxane	9.465	88	21855	1134.591	ug/l		100
51) 4-Methyl-2-Pentanone	10.215	43	617526	250.133	ug/l		100
52) Toluene	10.392	92	409807	49.301	ug/l		100
53) t-1,3-Dichloropropene	10.611	75	218411	49.187	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	251812	49.658	ug/l		100
55) 1,1,2-Trichloroethane	10.788	97	125532	48.955	ug/l		100
56) Ethyl methacrylate	10.648	69	184989	51.081	ug/l		100
57) 1,3-Dichloropropane	10.934	76	223219	49.412	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	466986	251.042	ug/l		100
59) 2-Hexanone	10.971	43	430358	250.784	ug/l		100
60) Dibromochloromethane	11.135	129	147041	49.183	ug/l		100
61) 1,2-Dibromoethane	11.233	107	124264	49.043	ug/l		100
64) Tetrachloroethene	10.867	164	116190	49.172	ug/l		100
65) Chlorobenzene	11.660	112	445905	50.836	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.733	131	135280	49.749	ug/l		100
67) Ethyl Benzene	11.733	91	797666	51.758	ug/l		100
68) m/p-Xylenes	11.836	106	590027	101.698	ug/l		100
69) o-Xylene	12.166	106	285328	51.967	ug/l		100
70) Styrene	12.178	104	487647	52.165	ug/l		100
71) Bromoform	12.349	173	78409	52.724	ug/l	#	100
73) Isopropylbenzene	12.464	105	743506	50.771	ug/l		100
74) N-amyl acetate	12.269	43	201296	50.845	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.714	83	154182	49.601	ug/l		100
76) 1,2,3-Trichloropropane	12.769	75	116529m	50.431	ug/l		
77) Bromobenzene	12.745	156	153362	48.402	ug/l		100
78) n-propylbenzene	12.800	91	899940	50.036	ug/l		100
79) 2-Chlorotoluene	12.891	91	528504	49.215	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	606401	49.373	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.513	75	50710	50.242	ug/l		100
82) 4-Chlorotoluene	12.983	91	553292	49.113	ug/l		100
83) tert-Butylbenzene	13.202	119	519792	49.685	ug/l		100
84) 1,2,4-Trimethylbenzene	13.245	105	621979	50.033	ug/l		100
85) sec-Butylbenzene	13.379	105	779564	49.619	ug/l		100
86) p-Isopropyltoluene	13.495	119	648382	49.930	ug/l		100
87) 1,3-Dichlorobenzene	13.495	146	322462	48.890	ug/l		100
88) 1,4-Dichlorobenzene	13.574	146	307895	47.653	ug/l		100
89) n-Butylbenzene	13.818	91	645926	50.705	ug/l		100
90) Hexachloroethane	14.086	117	108580	48.355	ug/l		100
91) 1,2-Dichlorobenzene	13.867	146	283107	48.433	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27088	48.235	ug/l		100
93) 1,2,4-Trichlorobenzene	15.129	180	166119	47.124	ug/l		100
94) Hexachlorobutadiene	15.226	225	82516	49.399	ug/l		100
95) Naphthalene	15.360	128	427849	49.367	ug/l		100
96) 1,2,3-Trichlorobenzene	15.549	180	157823	49.413	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

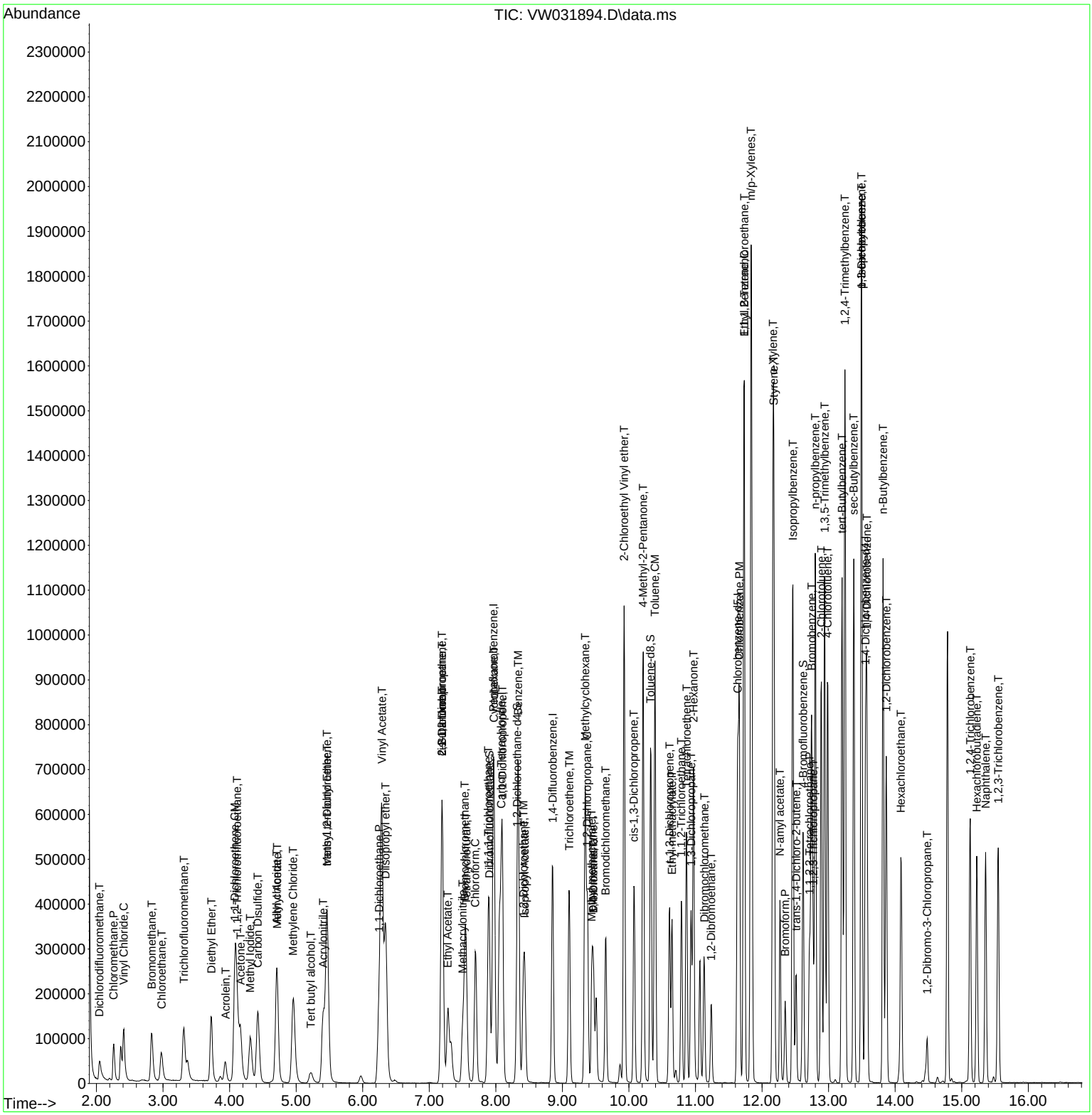
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031894.D
Acq On : 22 Jul 2025 10:39
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 23 08:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.953	168	221447	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	402410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	371635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	317755	94.854	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155			Recovery = 189.700%#		
35) Dibromofluoromethane	7.892	113	265829	97.216	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 134			Recovery = 194.440%#		
50) Toluene-d8	10.325	98	1013207	97.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123			Recovery = 195.800%#		
62) 4-Bromofluorobenzene	12.617	95	383449	96.494	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146			Recovery = 192.980%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	163348	99.248	ug/l	99
3) Chloromethane	2.259	50	203485	96.326	ug/l	98
4) Vinyl Chloride	2.405	62	273463	99.654	ug/l	99
5) Bromomethane	2.820	94	198486	98.226	ug/l	99
6) Chloroethane	2.966	64	181340	100.126	ug/l	99
7) Trichlorofluoromethane	3.301	101	276765	99.578	ug/l	96
8) Diethyl Ether	3.722	74	177440	95.572	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	258448	96.675	ug/l	99
10) Methyl Iodide	4.307	142	396765	99.264	ug/l	100
11) Tert butyl alcohol	5.216	59	108215	549.558	ug/l	100
12) 1,1-Dichloroethene	4.076	96	295280	100.001	ug/l	93
13) Acrolein	3.929	56	126741	529.499	ug/l	100
14) Allyl chloride	4.704	41	461159	100.325	ug/l	99
15) Acrylonitrile	5.399	53	434270	523.190	ug/l	99
16) Acetone	4.161	43	372157	468.167	ug/l	98
17) Carbon Disulfide	4.417	76	778367	101.641	ug/l	98
18) Methyl Acetate	4.704	43	233619	106.673	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	510872	100.133	ug/l	99
20) Methylene Chloride	4.954	84	323479	99.782	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	309509	98.792	ug/l	98
22) Diisopropyl ether	6.338	45	919619	99.982	ug/l	98
23) Vinyl Acetate	6.277	43	3184428	529.933	ug/l	99
24) 1,1-Dichloroethane	6.246	63	571894	99.864	ug/l	99
25) 2-Butanone	7.191	43	563092	517.723	ug/l	96
26) 2,2-Dichloropropane	7.179	77	310099	95.647	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	374781	101.755	ug/l	99
28) Bromochloromethane	7.532	49	239942	100.070	ug/l	98
29) Tetrahydrofuran	7.551	42	380062	532.985	ug/l	100
30) Chloroform	7.691	83	597178	99.456	ug/l	96
31) Cyclohexane	7.971	56	487369	94.861	ug/l	100
32) 1,1,1-Trichloroethane	7.880	97	447021	97.836	ug/l	99
36) 1,1-Dichloropropene	8.093	75	424179	101.012	ug/l	100
37) Ethyl Acetate	7.270	43	255825	106.793	ug/l	100
38) Carbon Tetrachloride	8.081	117	415729	103.155	ug/l	92
39) Methylcyclohexane	9.343	83	554981	105.017	ug/l	96
40) Benzene	8.337	78	1262395	101.554	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	151519	107.383	ug/l		97
42) 1,2-Dichloroethane	8.410	62	408100	102.578	ug/l		100
43) Isopropyl Acetate	8.435	43	474069	109.315	ug/l		99
44) Trichloroethene	9.099	130	301416	102.011	ug/l		98
45) 1,2-Dichloropropane	9.374	63	303214	101.282	ug/l		99
46) Dibromomethane	9.465	93	189553	102.141	ug/l		95
47) Bromodichloromethane	9.648	83	468786	105.344	ug/l		99
48) Methyl methacrylate	9.441	41	226471	109.767	ug/l		100
49) 1,4-Dioxane	9.465	88	43032	2323.819	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.209	43	1288323	542.828	ug/l		100
52) Toluene	10.392	92	803397	100.537	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	463061	108.477	ug/l		99
54) cis-1,3-Dichloropropene	10.075	75	519672	106.602	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	254950	103.424	ug/l		96
56) Ethyl methacrylate	10.648	69	392187	112.649	ug/l		99
57) 1,3-Dichloropropane	10.934	76	454447	104.643	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	981034	548.592	ug/l		99
59) 2-Hexanone	10.965	43	892662	541.101	ug/l		99
60) Dibromochloromethane	11.129	129	310954	108.191	ug/l		97
61) 1,2-Dibromoethane	11.239	107	255989	105.093	ug/l		98
64) Tetrachloroethene	10.861	164	236845	96.662	ug/l		88
65) Chlorobenzene	11.654	112	886811	97.499	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.727	131	280110	99.339	ug/l		99
67) Ethyl Benzene	11.727	91	1560463	97.646	ug/l		98
68) m/p-Xylenes	11.837	106	1180270	196.185	ug/l		98
69) o-Xylene	12.166	106	571902	100.449	ug/l		98
70) Styrene	12.178	104	948526	97.850	ug/l		97
71) Bromoform	12.349	173	166090	107.703	ug/l	#	99
73) Isopropylbenzene	12.458	105	1460308	106.348	ug/l		100
74) N-amyl acetate	12.269	43	417442	112.451	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	310725	106.608	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	232716m	107.409	ug/l		
77) Bromobenzene	12.745	156	308168	103.725	ug/l		97
78) n-propylbenzene	12.800	91	1765379	104.679	ug/l		100
79) 2-Chlorotoluene	12.891	91	1046552	103.935	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1241824	107.831	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	110340	116.589	ug/l		96
82) 4-Chlorotoluene	12.989	91	1070989	101.386	ug/l		100
83) tert-Butylbenzene	13.202	119	1052310	107.273	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	1198796	102.845	ug/l		99
85) sec-Butylbenzene	13.379	105	1502744	102.008	ug/l		98
86) p-Isopropyltoluene	13.495	119	1283789	105.433	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	625716	101.175	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	614573	101.442	ug/l		98
89) n-Butylbenzene	13.818	91	1255431	105.103	ug/l		99
90) Hexachloroethane	14.092	117	225644	107.168	ug/l		92
91) 1,2-Dichlorobenzene	13.867	146	570249	104.043	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	57065	108.370	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	370704	112.151	ug/l		89
94) Hexachlorobutadiene	15.226	225	166160	106.085	ug/l		99
95) Naphthalene	15.360	128	922104	113.469	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	329679	110.082	ug/l		91

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

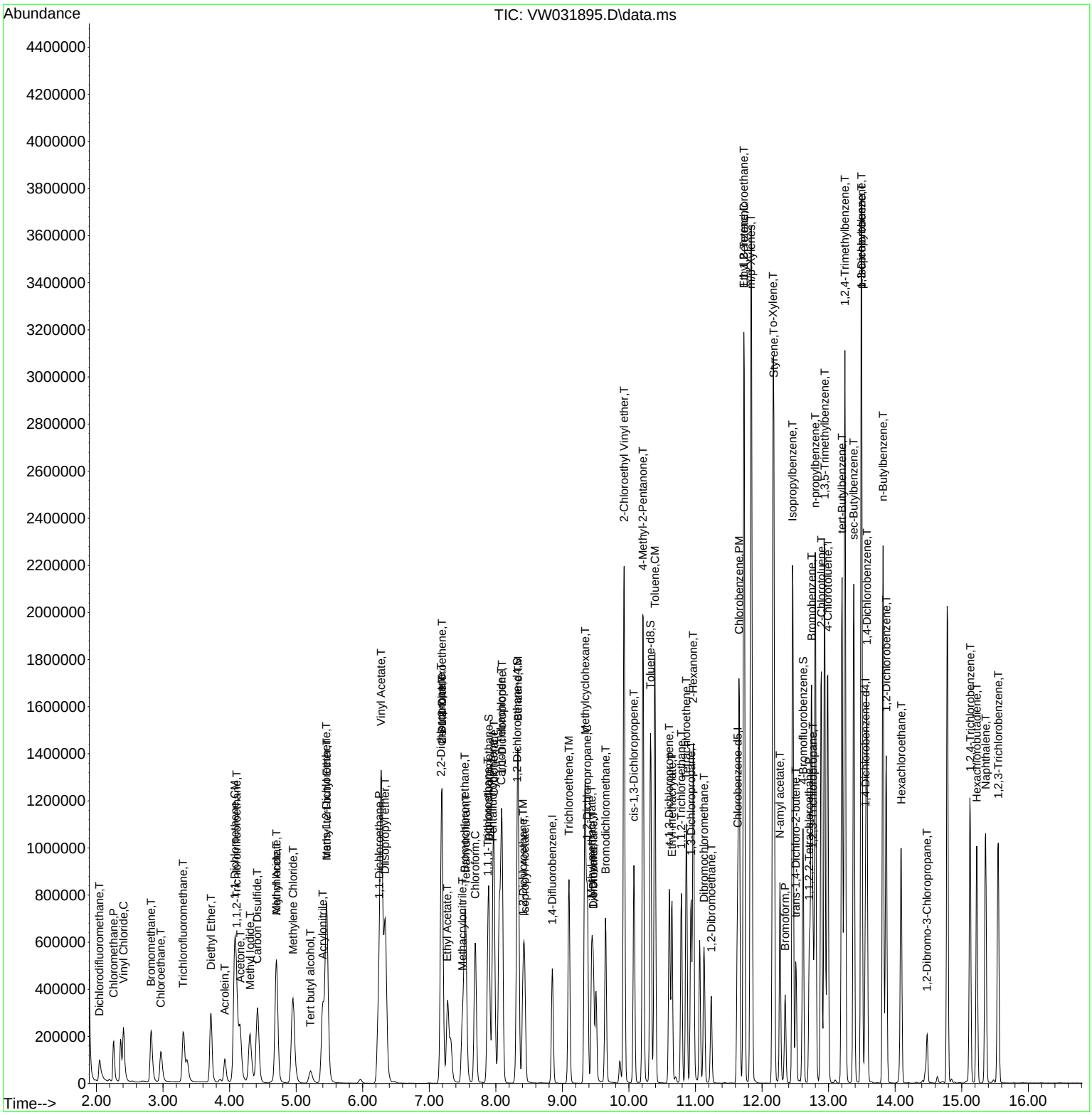
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031895.D
Acq On : 22 Jul 2025 11:18
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 23 08:03:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	220427	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	410405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	361839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	453594	136.031	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 272.060%#			
35) Dibromofluoromethane	7.898	113	399487	143.249	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 286.500%#			
50) Toluene-d8	10.324	98	1482591	140.469	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 280.940%#			
62) 4-Bromofluorobenzene	12.617	95	556999	137.437	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 274.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.045	85	236321	144.250	ug/l	97
3) Chloromethane	2.259	50	329540	156.720	ug/l	98
4) Vinyl Chloride	2.411	62	412456	151.000	ug/l	99
5) Bromomethane	2.820	94	302212	150.249	ug/l	100
6) Chloroethane	2.972	64	273738	151.843	ug/l	100
7) Trichlorofluoromethane	3.301	101	440230	159.125	ug/l	98
8) Diethyl Ether	3.722	74	261548	141.526	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	390066	146.583	ug/l	99
10) Methyl Iodide	4.307	142	595320	149.628	ug/l	99
11) Tert butyl alcohol	5.210	59	134310	685.235	ug/l	99
12) 1,1-Dichloroethene	4.076	96	442469	150.541	ug/l	93
13) Acrolein	3.929	56	164048	739.113	ug/l	99
14) Allyl chloride	4.697	41	703862	153.834	ug/l	99
15) Acrylonitrile	5.399	53	594863	719.982	ug/l	99
16) Acetone	4.155	43	538491	680.547	ug/l	100
17) Carbon Disulfide	4.417	76	1189183	156.005	ug/l	98
18) Methyl Acetate	4.704	43	318191	145.961	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	688978	135.668	ug/l	98
20) Methylene Chloride	4.947	84	477228	150.364	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	470689	150.934	ug/l	96
22) Diisopropyl ether	6.337	45	1345510	146.962	ug/l	98
23) Vinyl Acetate	6.283	43	4440675	742.410	ug/l	99
24) 1,1-Dichloroethane	6.246	63	856816	150.310	ug/l	100
25) 2-Butanone	7.191	43	749073	691.906	ug/l	95
26) 2,2-Dichloropropane	7.185	77	489368	151.639	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	549658	149.926	ug/l	97
28) Bromochloromethane	7.526	49	350866	147.009	ug/l	97
29) Tetrahydrofuran	7.551	42	493192	694.835	ug/l	100
30) Chloroform	7.691	83	885019	148.076	ug/l	98
31) Cyclohexane	7.965	56	732101	143.155	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	682184	149.995	ug/l	98
36) 1,1-Dichloropropene	8.093	75	632279	147.634	ug/l	99
37) Ethyl Acetate	7.270	43	344416	140.974	ug/l	100
38) Carbon Tetrachloride	8.081	117	623463	151.686	ug/l	98
39) Methylcyclohexane	9.343	83	811686	150.600	ug/l	99
40) Benzene	8.337	78	1867656	147.317	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	204750	142.282	ug/l		96
42) 1,2-Dichloroethane	8.410	62	579516	142.827	ug/l		99
43) Isopropyl Acetate	8.435	43	643412	145.474	ug/l		99
44) Trichloroethene	9.099	130	452970	150.317	ug/l		98
45) 1,2-Dichloropropane	9.373	63	456144	149.396	ug/l		97
46) Dibromomethane	9.465	93	272269	143.854	ug/l		99
47) Bromodichloromethane	9.648	83	685853	151.120	ug/l		96
48) Methyl methacrylate	9.441	41	314142	149.293	ug/l		100
49) 1,4-Dioxane	9.459	88	56346	2983.527	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.209	43	1683322	695.441	ug/l		99
52) Toluene	10.392	92	1214012	148.962	ug/l		100
53) t-1,3-Dichloropropene	10.605	75	679932	156.179	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	759882	152.840	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	363045	144.405	ug/l		92
56) Ethyl methacrylate	10.648	69	540138	152.123	ug/l		99
57) 1,3-Dichloropropane	10.934	76	632065	142.707	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.928	63	1375316	754.091	ug/l		98
59) 2-Hexanone	10.971	43	1166153	693.111	ug/l		100
60) Dibromochloromethane	11.129	129	442293	150.890	ug/l		100
61) 1,2-Dibromoethane	11.239	107	357193	143.785	ug/l		97
64) Tetrachloroethene	10.867	164	350332	146.849	ug/l		96
65) Chlorobenzene	11.660	112	1308167	147.719	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.727	131	415946	151.507	ug/l		99
67) Ethyl Benzene	11.727	91	2319514	149.072	ug/l		97
68) m/p-Xylenes	11.836	106	1740273	297.100	ug/l		100
69) o-Xylene	12.166	106	846824	152.763	ug/l		99
70) Styrene	12.178	104	1419800	150.432	ug/l		99
71) Bromoform	12.349	173	228504	152.187	ug/l	#	99
73) Isopropylbenzene	12.458	105	2118035	151.692	ug/l		99
74) N-amyl acetate	12.269	43	565165	149.722	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	419030	141.385	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	310612m	140.986	ug/l		
77) Bromobenzene	12.745	156	452752	149.865	ug/l		95
78) n-propylbenzene	12.800	91	2550787	148.745	ug/l		98
79) 2-Chlorotoluene	12.891	91	1538753	150.285	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	1765381	150.754	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.513	75	151238	157.156	ug/l		96
82) 4-Chlorotoluene	12.983	91	1582046	147.284	ug/l		98
83) tert-Butylbenzene	13.202	119	1484103	148.784	ug/l		99
84) 1,2,4-Trimethylbenzene	13.245	105	1754255	148.004	ug/l		99
85) sec-Butylbenzene	13.379	105	2245185	149.881	ug/l		99
86) p-Isopropyltoluene	13.495	119	1828574	147.687	ug/l		99
87) 1,3-Dichlorobenzene	13.495	146	897163	142.664	ug/l		98
88) 1,4-Dichlorobenzene	13.574	146	860596	139.697	ug/l		97
89) n-Butylbenzene	13.818	91	1809075	148.944	ug/l		97
90) Hexachloroethane	14.086	117	338316	158.018	ug/l		89
91) 1,2-Dichlorobenzene	13.867	146	794424	142.542	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.482	75	77276	144.321	ug/l		98
93) 1,2,4-Trichlorobenzene	15.122	180	487461	145.031	ug/l		93
94) Hexachlorobutadiene	15.226	225	234457	147.210	ug/l		96
95) Naphthalene	15.360	128	1247633	150.984	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	444087	145.827	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

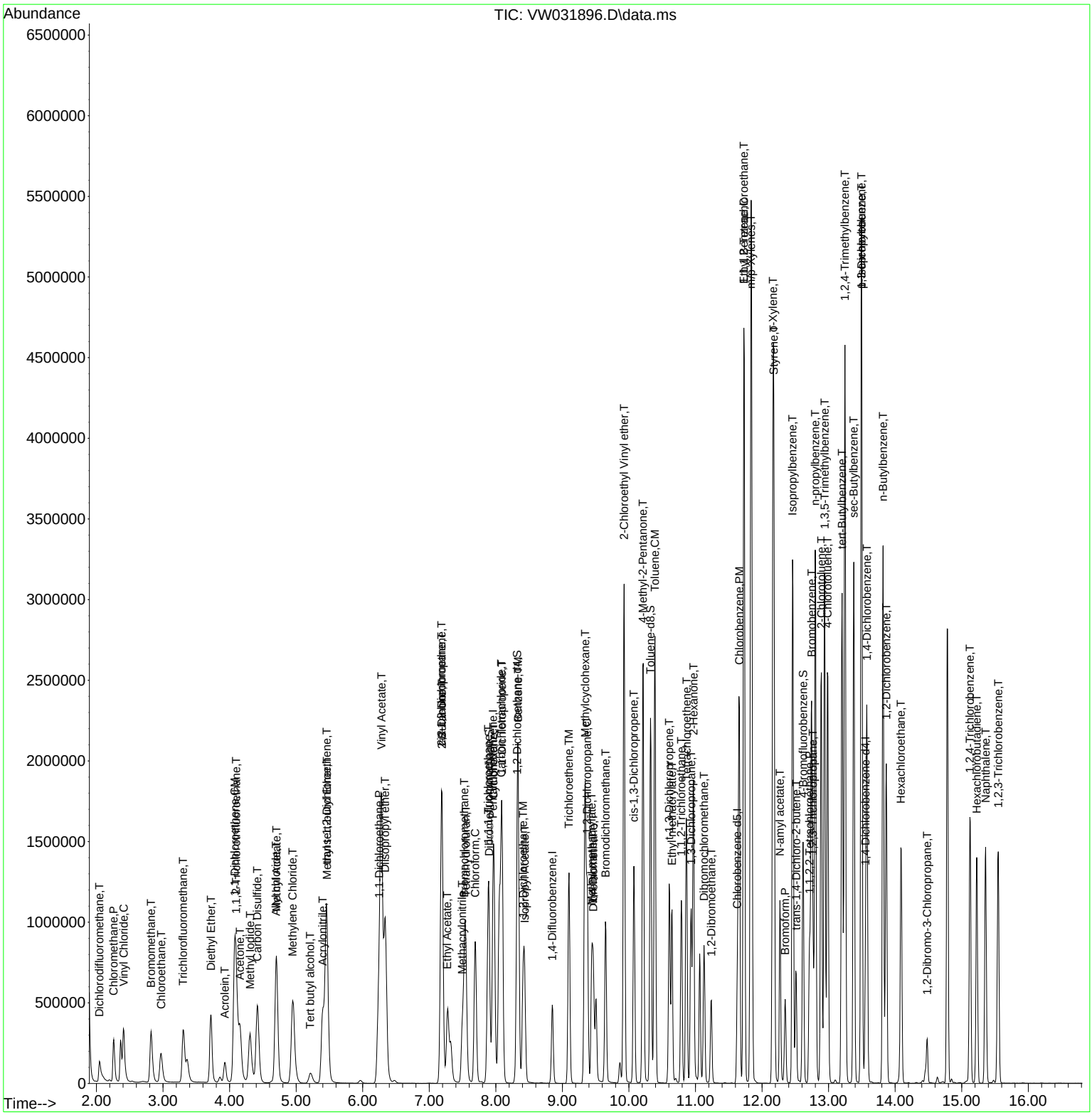
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031896.D
Acq On : 22 Jul 2025 12:00
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 23 08:04:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 07:57:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.953	168	226226	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	417980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	364156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	154942	45.275	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 90.560%			
35) Dibromofluoromethane	7.898	113	131485	46.294	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 92.580%			
50) Toluene-d8	10.325	98	495878	46.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 92.260%			
62) 4-Bromofluorobenzene	12.617	95	188746	45.728	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 91.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	79412	47.231	ug/l	97
3) Chloromethane	2.253	50	104231	48.299	ug/l	96
4) Vinyl Chloride	2.405	62	136473	48.682	ug/l	99
5) Bromomethane	2.826	94	98945	47.931	ug/l	99
6) Chloroethane	2.972	64	89035	48.122	ug/l	98
7) Trichlorofluoromethane	3.308	101	134264	47.287	ug/l	100
8) Diethyl Ether	3.722	74	88950	46.898	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	131248	48.057	ug/l	99
10) Methyl Iodide	4.314	142	194455	47.621	ug/l	100
11) Tert butyl alcohol	5.216	59	55051	273.664	ug/l	100
12) 1,1-Dichloroethene	4.076	96	146332	48.510	ug/l	98
13) Acrolein	3.929	56	66037	243.737	ug/l	99
14) Allyl chloride	4.704	41	227478	48.442	ug/l	99
15) Acrylonitrile	5.405	53	213745	252.071	ug/l	99
16) Acetone	4.161	43	212311	261.441	ug/l	99
17) Carbon Disulfide	4.417	76	383835	49.063	ug/l	97
18) Methyl Acetate	4.710	43	116092	51.889	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	262205	50.308	ug/l	97
20) Methylene Chloride	4.948	84	170521	49.004	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	154329	48.220	ug/l	98
22) Diisopropyl ether	6.338	45	458677	48.814	ug/l	96
23) Vinyl Acetate	6.277	43	1580961	257.536	ug/l	98
24) 1,1-Dichloroethane	6.246	63	285778	48.848	ug/l	99
25) 2-Butanone	7.191	43	295784	266.207	ug/l	98
26) 2,2-Dichloropropane	7.185	77	159426	48.135	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	183416	48.747	ug/l	97
28) Bromochloromethane	7.526	49	120307	49.115	ug/l	98
29) Tetrahydrofuran	7.551	42	189833	260.591	ug/l	99
30) Chloroform	7.691	83	305201	49.755	ug/l	99
31) Cyclohexane	7.971	56	246141	46.897	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	227258	48.687	ug/l	99
36) 1,1-Dichloropropene	8.093	75	216329	49.596	ug/l	98
37) Ethyl Acetate	7.270	43	126677	50.911	ug/l	99
38) Carbon Tetrachloride	8.087	117	205709	49.141	ug/l	96
39) Methylcyclohexane	9.343	83	279446	50.909	ug/l	96
40) Benzene	8.331	78	638121	49.422	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	73360	49.252	ug/l		95
42) 1,2-Dichloroethane	8.410	62	203485	49.242	ug/l		100
43) Isopropyl Acetate	8.435	43	233100	51.748	ug/l		100
44) Trichloroethene	9.099	130	150370	48.996	ug/l		97
45) 1,2-Dichloropropane	9.374	63	151921	48.855	ug/l		97
46) Dibromomethane	9.465	93	96302	49.959	ug/l		97
47) Bromodichloromethane	9.648	83	233260	50.465	ug/l		99
48) Methyl methacrylate	9.441	41	111759	52.150	ug/l		99
49) 1,4-Dioxane	9.465	88	20081	1044.021	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.209	43	646271	262.159	ug/l		100
52) Toluene	10.392	92	411023	49.520	ug/l		98
53) t-1,3-Dichloropropene	10.605	75	227133	51.226	ug/l		100
54) cis-1,3-Dichloropropene	10.075	75	256794	50.715	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	128088	50.025	ug/l		91
56) Ethyl methacrylate	10.648	69	190747	52.748	ug/l		99
57) 1,3-Dichloropropane	10.934	76	226448	50.201	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.928	63	495366	266.689	ug/l		98
59) 2-Hexanone	10.965	43	463102	270.260	ug/l		100
60) Dibromochloromethane	11.129	129	148718	49.816	ug/l		99
61) 1,2-Dibromoethane	11.233	107	125012	49.410	ug/l		97
64) Tetrachloroethene	10.867	164	116825	48.658	ug/l		92
65) Chlorobenzene	11.660	112	424231	47.600	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.727	131	143748	52.026	ug/l		97
67) Ethyl Benzene	11.733	91	772618	49.339	ug/l		98
68) m/p-Xylenes	11.837	106	582795	98.862	ug/l		98
69) o-Xylene	12.166	106	286822	51.412	ug/l		98
70) Styrene	12.178	104	477401	50.260	ug/l		98
71) Bromoform	12.343	173	78568	51.994	ug/l	#	97
73) Isopropylbenzene	12.458	105	737512	49.484	ug/l		100
74) N-amyl acetate	12.269	43	211747	52.553	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.708	83	157475	49.778	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	112806m	47.566	ug/l		
77) Bromobenzene	12.745	156	160635	49.814	ug/l		94
78) n-propylbenzene	12.800	91	901700	49.260	ug/l		99
79) 2-Chlorotoluene	12.891	91	535719	49.018	ug/l		100
80) 1,3,5-Trimethylbenzene	12.940	105	626726	50.139	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	53527	52.109	ug/l		98
82) 4-Chlorotoluene	12.983	91	560575	48.892	ug/l		99
83) tert-Butylbenzene	13.202	119	530770	49.850	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	621802	49.148	ug/l		99
85) sec-Butylbenzene	13.379	105	802831	50.210	ug/l		100
86) p-Isopropyltoluene	13.489	119	664260	50.261	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	316200	47.106	ug/l		97
88) 1,4-Dichlorobenzene	13.574	146	320113	48.681	ug/l		98
89) n-Butylbenzene	13.818	91	638513	49.250	ug/l		98
90) Hexachloroethane	14.086	117	113450	49.643	ug/l		95
91) 1,2-Dichlorobenzene	13.867	146	286039	48.082	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	28523	49.905	ug/l		97
93) 1,2,4-Trichlorobenzene	15.129	180	177038	49.346	ug/l		93
94) Hexachlorobutadiene	15.232	225	78966	46.450	ug/l		92
95) Naphthalene	15.360	128	462913	52.482	ug/l		98
96) 1,2,3-Trichlorobenzene	15.543	180	164194	50.512	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

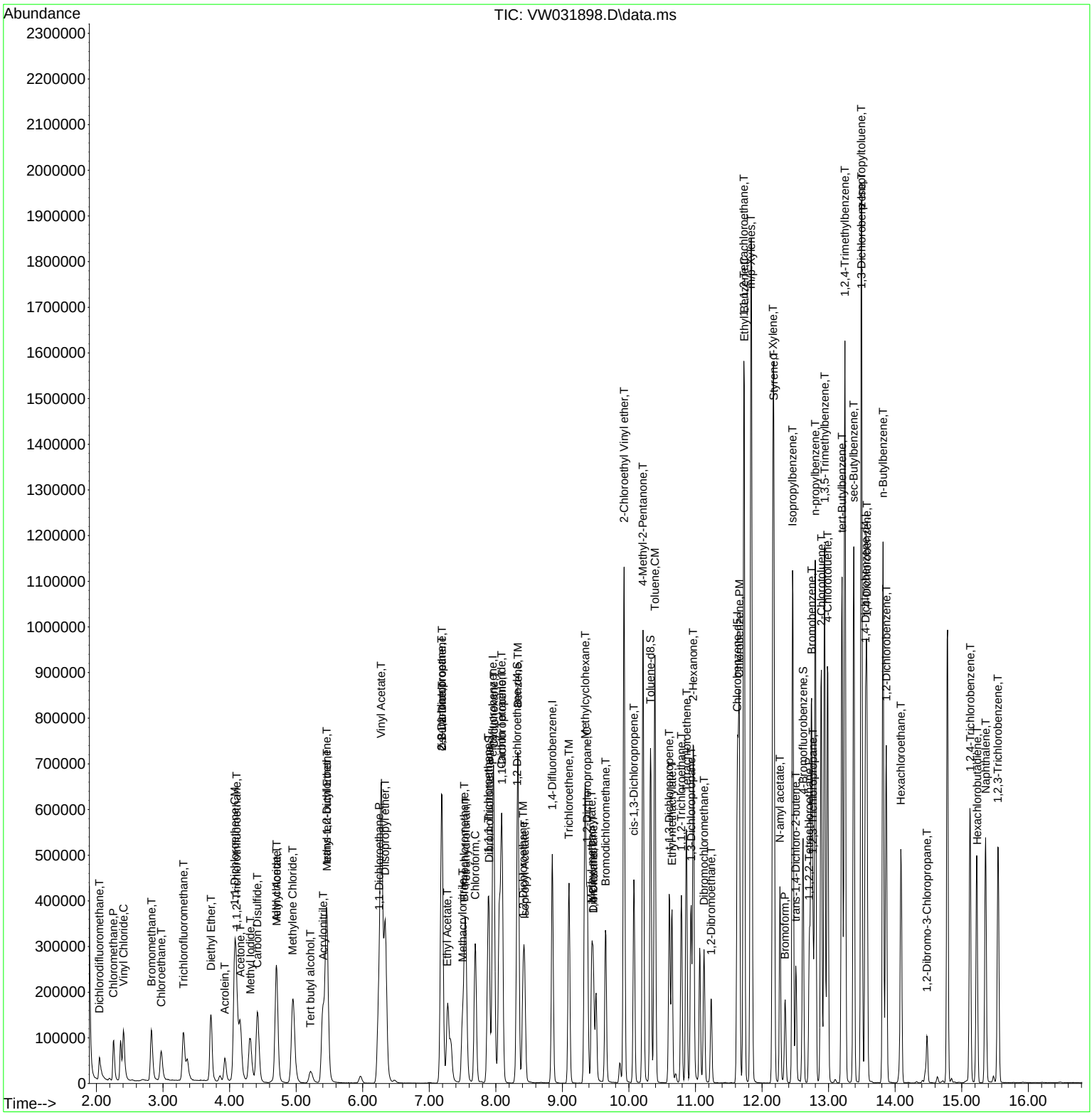
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	100	-0.01
2	T	Dichlorodifluoromethane	0.372	0.351	5.6	98	0.00
3	P	Chloromethane	0.477	0.461	3.4	107	0.00
4	C	Vinyl Chloride	0.620	0.603	2.7#	99	0.00
5	T	Bromomethane	0.456	0.437	4.2	101	0.00
6	T	Chloroethane	0.409	0.394	3.7	101	0.00
7	T	Trichlorofluoromethane	0.628	0.593	5.6	88	0.00
8	T	Diethyl Ether	0.419	0.393	6.2	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.604	0.580	4.0	99	0.00
10	T	Methyl Iodide	0.902	0.860	4.7	100	0.00
11	T	Tert butyl alcohol	0.044	0.049	-11.4	112	0.00
12	CM	1,1-Dichloroethene	0.667	0.647	3.0#	101	0.00
13	T	Acrolein	0.065	0.058	10.8	111	-0.01
14	T	Allyl chloride	1.038	1.006	3.1	100	0.00
15	T	Acrylonitrile	0.187	0.189	-1.1	104	0.00
16	T	Acetone	0.179	0.188	-5.0	114	0.00
17	T	Carbon Disulfide	1.729	1.697	1.9	101	0.00
18	T	Methyl Acetate	0.494	0.513	-3.8	109	0.00
19	T	Methyl tert-butyl Ether	1.152	1.159	-0.6	103	0.00
20	T	Methylene Chloride	0.944	0.754	20.1	100	0.00
21	T	trans-1,2-Dichloroethene	0.707	0.682	3.5	99	0.00
22	T	Diisopropyl ether	2.077	2.028	2.4	99	0.00
23	T	Vinyl Acetate	1.357	1.398	-3.0	104	-0.01
24	P	1,1-Dichloroethane	1.293	1.263	2.3	100	0.00
25	T	2-Butanone	0.246	0.261	-6.1	111	0.00
26	T	2,2-Dichloropropane	0.732	0.705	3.7	96	0.00
27	T	cis-1,2-Dichloroethene	0.832	0.811	2.5	99	0.00
28	T	Bromochloromethane	0.541	0.532	1.7	102	0.00
29	T	Tetrahydrofuran	0.161	0.168	-4.3	106	0.00
30	C	Chloroform	1.356	1.349	0.5#	103	0.00
31	T	Cyclohexane	1.160	1.088	6.2	99	0.00
32	T	1,1,1-Trichloroethane	1.032	1.005	2.6	100	0.00
33	S	1,2-Dichloroethane-d4	0.756	0.685	9.4	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.340	0.315	7.4	96	0.00
36	T	1,1-Dichloropropene	0.522	0.518	0.8	101	0.00
37	T	Ethyl Acetate	0.298	0.303	-1.7	102	0.00
38	T	Carbon Tetrachloride	0.501	0.492	1.8	100	0.00
39	T	Methylcyclohexane	0.657	0.669	-1.8	102	0.00
40	TM	Benzene	1.545	1.527	1.2	100	0.00
41	T	Methacrylonitrile	0.178	0.176	1.1	98	0.00
42	TM	1,2-Dichloroethane	0.494	0.487	1.4	101	0.00
43	T	Isopropyl Acetate	0.539	0.558	-3.5	105	0.00
44	TM	Trichloroethene	0.367	0.360	1.9	99	0.00
45	C	1,2-Dichloropropane	0.372	0.363	2.4#	101	0.00
46	T	Dibromomethane	0.231	0.230	0.4	102	0.00
47	T	Bromodichloromethane	0.553	0.558	-0.9	104	0.00
48	T	Methyl methacrylate	0.256	0.267	-4.3	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	92	0.00
50	S	Toluene-d8	1.286	1.186	7.8	97	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.309	-4.7	105	0.00
52	CM	Toluene	0.993	0.983	1.0#	100	0.00
53	T	t-1,3-Dichloropropene	0.530	0.543	-2.5	104	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.614	-1.3	102	0.00
55	T	1,1,2-Trichloroethane	0.306	0.306	0.0	102	0.00
56	T	Ethyl methacrylate	0.433	0.456	-5.3	103	0.00
57	T	1,3-Dichloropropane	0.540	0.542	-0.4	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.222	0.237	-6.8	106	0.00
59	T	2-Hexanone	0.205	0.222	-8.3	108	0.00
60	T	Dibromochloromethane	0.357	0.356	0.3	101	0.00
61	T	1,2-Dibromoethane	0.303	0.299	1.3	101	0.00
62	S	4-Bromofluorobenzene	0.494	0.452	8.5	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.330	0.321	2.7	101	0.00
65	PM	Chlorobenzene	1.224	1.165	4.8	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.395	-4.2	106	0.00
67	C	Ethyl Benzene	2.150	2.122	1.3#	97	0.00
68	T	m/p-Xylenes	0.809	0.800	1.1	99	0.00
69	T	o-Xylene	0.766	0.788	-2.9	101	0.00
70	T	Styrene	1.304	1.311	-0.5	98	0.00
71	P	Bromoform	0.207	0.216	-4.3	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	4.338	4.294	1.0	99	0.00
74	T	N-amyl acetate	1.173	1.233	-5.1	105	0.00
75	P	1,1,2,2-Tetrachloroethane	0.921	0.917	0.4	102	0.00
76	T	1,2,3-Trichloropropane	0.690	0.657	4.8	97	0.00
77	T	Bromobenzene	0.939	0.935	0.4	105	0.00
78	T	n-propylbenzene	5.328	5.249	1.5	100	0.00
79	T	2-Chlorotoluene	3.181	3.119	1.9	101	0.00
80	T	1,3,5-Trimethylbenzene	3.638	3.649	-0.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.299	0.312	-4.3	106	0.00
82	T	4-Chlorotoluene	3.337	3.264	2.2	101	0.00
83	T	tert-Butylbenzene	3.099	3.090	0.3	102	0.00
84	T	1,2,4-Trimethylbenzene	3.683	3.620	1.7	100	0.00
85	T	sec-Butylbenzene	4.654	4.674	-0.4	103	0.00
86	T	p-Isopropyltoluene	3.847	3.867	-0.5	102	0.00
87	T	1,3-Dichlorobenzene	1.954	1.841	5.8	98	0.00
88	T	1,4-Dichlorobenzene	1.914	1.864	2.6	104	0.00
89	T	n-Butylbenzene	3.774	3.717	1.5	99	0.00
90	T	Hexachloroethane	0.665	0.660	0.8	104	0.00
91	T	1,2-Dichlorobenzene	1.732	1.665	3.9	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.166	0.166	0.0	105	0.00
93	T	1,2,4-Trichlorobenzene	1.044	1.031	1.2	107	0.00
94	T	Hexachlorobutadiene	0.495	0.460	7.1	96	0.00
95	T	Naphthalene	2.567	2.695	-5.0	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.946	0.956	-1.1	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	100	-0.01
2	T	Dichlorodifluoromethane	50.000	47.231	5.5	98	0.00
3	P	Chloromethane	50.000	48.299	3.4	107	0.00
4	C	Vinyl Chloride	50.000	48.682	2.6#	99	0.00
5	T	Bromomethane	50.000	47.931	4.1	101	0.00
6	T	Chloroethane	50.000	48.122	3.8	101	0.00
7	T	Trichlorofluoromethane	50.000	47.287	5.4	88	0.00
8	T	Diethyl Ether	50.000	46.898	6.2	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.057	3.9	99	0.00
10	T	Methyl Iodide	50.000	47.621	4.8	100	0.00
11	T	Tert butyl alcohol	250.000	273.664	-9.5	112	0.00
12	CM	1,1-Dichloroethene	50.000	48.510	3.0#	101	0.00
13	T	Acrolein	250.000	243.737	2.5	111	-0.01
14	T	Allyl chloride	50.000	48.442	3.1	100	0.00
15	T	Acrylonitrile	250.000	252.071	-0.8	104	0.00
16	T	Acetone	250.000	261.441	-4.6	114	0.00
17	T	Carbon Disulfide	50.000	49.063	1.9	101	0.00
18	T	Methyl Acetate	50.000	51.889	-3.8	109	0.00
19	T	Methyl tert-butyl Ether	50.000	50.308	-0.6	103	0.00
20	T	Methylene Chloride	50.000	49.004	2.0	100	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.220	3.6	99	0.00
22	T	Diisopropyl ether	50.000	48.814	2.4	99	0.00
23	T	Vinyl Acetate	250.000	257.536	-3.0	104	-0.01
24	P	1,1-Dichloroethane	50.000	48.848	2.3	100	0.00
25	T	2-Butanone	250.000	266.207	-6.5	111	0.00
26	T	2,2-Dichloropropane	50.000	48.135	3.7	96	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.747	2.5	99	0.00
28	T	Bromochloromethane	50.000	49.115	1.8	102	0.00
29	T	Tetrahydrofuran	250.000	260.591	-4.2	106	0.00
30	C	Chloroform	50.000	49.755	0.5#	103	0.00
31	T	Cyclohexane	50.000	46.897	6.2	99	0.00
32	T	1,1,1-Trichloroethane	50.000	48.687	2.6	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.275	9.5	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	46.294	7.4	96	0.00
36	T	1,1-Dichloropropene	50.000	49.596	0.8	101	0.00
37	T	Ethyl Acetate	50.000	50.911	-1.8	102	0.00
38	T	Carbon Tetrachloride	50.000	49.141	1.7	100	0.00
39	T	Methylcyclohexane	50.000	50.909	-1.8	102	0.00
40	TM	Benzene	50.000	49.422	1.2	100	0.00
41	T	Methacrylonitrile	50.000	49.252	1.5	98	0.00
42	TM	1,2-Dichloroethane	50.000	49.242	1.5	101	0.00
43	T	Isopropyl Acetate	50.000	51.748	-3.5	105	0.00
44	TM	Trichloroethene	50.000	48.996	2.0	99	0.00
45	C	1,2-Dichloropropane	50.000	48.855	2.3#	101	0.00
46	T	Dibromomethane	50.000	49.959	0.1	102	0.00
47	T	Bromodichloromethane	50.000	50.465	-0.9	104	0.00
48	T	Methyl methacrylate	50.000	52.150	-4.3	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1044.021	-4.4	92	0.00
50	S	Toluene-d8	50.000	46.131	7.7	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.159	-4.9	105	0.00
52	CM	Toluene	50.000	49.520	1.0#	100	0.00
53	T	t-1,3-Dichloropropene	50.000	51.226	-2.5	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.715	-1.4	102	0.00
55	T	1,1,2-Trichloroethane	50.000	50.025	-0.0	102	0.00
56	T	Ethyl methacrylate	50.000	52.748	-5.5	103	0.00
57	T	1,3-Dichloropropane	50.000	50.201	-0.4	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	266.689	-6.7	106	0.00
59	T	2-Hexanone	250.000	270.260	-8.1	108	0.00
60	T	Dibromochloromethane	50.000	49.816	0.4	101	0.00
61	T	1,2-Dibromoethane	50.000	49.410	1.2	101	0.00
62	S	4-Bromofluorobenzene	50.000	45.728	8.5	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	48.658	2.7	101	0.00
65	PM	Chlorobenzene	50.000	47.600	4.8	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.026	-4.1	106	0.00
67	C	Ethyl Benzene	50.000	49.339	1.3#	97	0.00
68	T	m/p-Xylenes	100.000	98.862	1.1	99	0.00
69	T	o-Xylene	50.000	51.412	-2.8	101	0.00
70	T	Styrene	50.000	50.260	-0.5	98	0.00
71	P	Bromoform	50.000	51.994	-4.0	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	49.484	1.0	99	0.00
74	T	N-amyl acetate	50.000	52.553	-5.1	105	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.778	0.4	102	0.00
76	T	1,2,3-Trichloropropane	50.000	47.566	4.9	97	0.00
77	T	Bromobenzene	50.000	49.814	0.4	105	0.00
78	T	n-propylbenzene	50.000	49.260	1.5	100	0.00
79	T	2-Chlorotoluene	50.000	49.018	2.0	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.139	-0.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.109	-4.2	106	0.00
82	T	4-Chlorotoluene	50.000	48.892	2.2	101	0.00
83	T	tert-Butylbenzene	50.000	49.850	0.3	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.148	1.7	100	0.00
85	T	sec-Butylbenzene	50.000	50.210	-0.4	103	0.00
86	T	p-Isopropyltoluene	50.000	50.261	-0.5	102	0.00
87	T	1,3-Dichlorobenzene	50.000	47.106	5.8	98	0.00
88	T	1,4-Dichlorobenzene	50.000	48.681	2.6	104	0.00
89	T	n-Butylbenzene	50.000	49.250	1.5	99	0.00
90	T	Hexachloroethane	50.000	49.643	0.7	104	0.00
91	T	1,2-Dichlorobenzene	50.000	48.082	3.8	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.905	0.2	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.346	1.3	107	0.00
94	T	Hexachlorobutadiene	50.000	46.450	7.1	96	0.00
95	T	Naphthalene	50.000	52.482	-5.0	108	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031898.D
Acq On : 22 Jul 2025 14:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVVW072225

Quant Time: Jul 23 08:20:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.512	-1.0	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VW031971.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	GENV01
Lab Code:	ACE	SDG No.:	Q2743
Instrument ID:	MSVOA_W	Calibration Date/Time:	08/01/2025 08:21
Lab File ID:	VW031971.D	Init. Calib. Date(s):	07/22/2025 07/22/2025
Heated Purge: (Y/N)	Y	Init. Calib. Time(s):	09:05 12:00

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.372	0.424		13.98	20
Chloromethane	0.477	0.550	0.1	15.3	20
Vinyl Chloride	0.620	0.631		1.77	20
Bromomethane	0.456	0.502		10.09	20
Chloroethane	0.409	0.447		9.29	20
Trichlorofluoromethane	0.628	0.556		-11.47	20
1,1,2-Trichlorotrifluoroethane	0.604	0.645		6.79	20
1,1-Dichloroethene	0.667	0.727		9	20
Acetone	0.179	0.201		12.29	20
Carbon Disulfide	1.729	1.915		10.76	20
Methyl tert-butyl Ether	1.152	1.215		5.47	20
Methyl Acetate	0.494	0.592		19.84	20
Methylene Chloride	0.944	0.764		-19.07	20
trans-1,2-Dichloroethene	0.707	0.761		7.64	20
1,1-Dichloroethane	1.293	1.383	0.1	6.96	20
Cyclohexane	1.160	1.145		-1.29	20
2-Butanone	0.246	0.276		12.19	20
Carbon Tetrachloride	0.501	0.560		11.78	20
cis-1,2-Dichloroethene	0.832	0.892		7.21	20
Bromochloromethane	0.541	0.501		-7.39	20
Chloroform	1.356	1.479		9.07	20
1,1,1-Trichloroethane	1.032	1.084		5.04	20
Methylcyclohexane	0.657	0.708		7.76	20
Benzene	1.545	1.718		11.2	20
1,2-Dichloroethane	0.494	0.555		12.35	20
Trichloroethene	0.367	0.401		9.26	20
1,2-Dichloropropane	0.372	0.415		11.56	20
Bromodichloromethane	0.553	0.636		15.01	20
4-Methyl-2-Pentanone	0.295	0.348		17.97	20
Toluene	0.993	1.134		14.2	20
t-1,3-Dichloropropene	0.530	0.592		11.7	20
cis-1,3-Dichloropropene	0.606	0.680		12.21	20
1,1,2-Trichloroethane	0.306	0.352		15.03	20
2-Hexanone	0.205	0.241		17.56	20
Dibromochloromethane	0.357	0.419		17.37	20
1,2-Dibromoethane	0.303	0.340		12.21	20
Tetrachloroethene	0.330	0.342		3.64	20
Chlorobenzene	1.224	1.307	0.3	6.78	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VW031971.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q2743

Instrument ID: MSVOA_W | Calibration Date/Time: 08/01/2025 08:21

Lab File ID: VW031971.D | Init. Calib. Date(s): 07/22/2025 07/22/2025

Heated Purge: (Y/N) Y | Init. Calib. Time(s): 09:05 12:00

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.150	2.369		10.19	20
m/p-Xylenes	0.809	0.892		10.26	20
o-Xylene	0.766	0.852		11.23	20
Styrene	1.304	1.488		14.11	20
Bromoform	0.207	0.250	0.1	20.77	20
Isopropylbenzene	4.338	4.606		6.18	20
1,1,2,2-Tetrachloroethane	0.921	1.020	0.3	10.75	20
1,3-Dichlorobenzene	1.954	2.047		4.76	20
1,4-Dichlorobenzene	1.914	2.007		4.86	20
1,2-Dichlorobenzene	1.732	1.810		4.5	20
1,2-Dibromo-3-Chloropropane	0.166	0.183		10.24	20
1,2,4-Trichlorobenzene	1.044	1.113		6.61	20
1,2,3-Trichlorobenzene	0.946	1.014		7.19	20
1,2-Dichloroethane-d4	0.756	0.751		-0.66	20
Dibromofluoromethane	0.340	0.365		7.35	20
Toluene-d8	1.286	1.350		4.98	20
4-Bromofluorobenzene	0.494	0.495		0.2	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	217356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	389384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163285	49.660	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 99.320%			
35) Dibromofluoromethane	7.904	113	141994	53.665	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 107.340%			
50) Toluene-d8	10.325	98	525585	52.485	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 104.980%			
62) 4-Bromofluorobenzene	12.617	95	192848	50.153	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	92251	57.106	ug/l	99
3) Chloromethane	2.259	50	119494	57.631	ug/l	98
4) Vinyl Chloride	2.405	62	137124	50.910	ug/l	99
5) Bromomethane	2.826	94	109184	55.049	ug/l	93
6) Chloroethane	2.972	64	97210	54.684	ug/l	99
7) Trichlorofluoromethane	3.301	101	120885	44.312	ug/l	100
8) Diethyl Ether	3.716	74	94479	51.846	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.094	101	140125	53.402	ug/l	99
10) Methyl Iodide	4.307	142	201927	51.469	ug/l	99
11) Tert butyl alcohol	5.216	59	55767	288.537	ug/l	100
12) 1,1-Dichloroethene	4.076	96	157964	54.504	ug/l	95
13) Acrolein	3.923	56	18148	59.978	ug/l	95
14) Allyl chloride	4.697	41	225292	49.935	ug/l	99
15) Acrylonitrile	5.399	53	228118	279.999	ug/l	98
16) Acetone	4.155	43	218857	280.500	ug/l	96
17) Carbon Disulfide	4.417	76	416159	55.366	ug/l	100
18) Methyl Acetate	4.704	43	128723	59.882	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	264118	52.743	ug/l	99
20) Methylene Chloride	4.954	84	165975	49.711	ug/l	98
21) trans-1,2-Dichloroethene	5.453	96	165370	53.778	ug/l	94
22) Diisopropyl ether	6.337	45	474322	52.539	ug/l	98
23) Vinyl Acetate	6.283	43	1593764	270.216	ug/l	100
24) 1,1-Dichloroethane	6.234	63	300526	53.466	ug/l	99
25) 2-Butanone	7.191	43	299837	280.867	ug/l	96
26) 2,2-Dichloropropane	7.185	77	155538	48.877	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	193871	53.628	ug/l	100
28) Bromochloromethane	7.532	49	108992	46.312	ug/l	97
29) Tetrahydrofuran	7.551	42	198834	284.086	ug/l	99
30) Chloroform	7.685	83	321556	54.561	ug/l	97
31) Cyclohexane	7.971	56	248855	49.349	ug/l	100
32) 1,1,1-Trichloroethane	7.880	97	235576	52.529	ug/l	98
36) 1,1-Dichloropropene	8.093	75	223048	54.892	ug/l	99
37) Ethyl Acetate	7.270	43	127679	55.082	ug/l	98
38) Carbon Tetrachloride	8.075	117	218047	55.914	ug/l	97
39) Methylcyclohexane	9.343	83	275493	53.874	ug/l	96
40) Benzene	8.331	78	668793	55.601	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	75577	54.466	ug/l		95
42) 1,2-Dichloroethane	8.410	62	215940	56.094	ug/l		99
43) Isopropyl Acetate	8.435	43	235025	56.007	ug/l		99
44) Trichloroethene	9.099	130	156276	54.659	ug/l		98
45) 1,2-Dichloropropane	9.373	63	161580	55.778	ug/l		99
46) Dibromomethane	9.465	93	101513	56.530	ug/l		99
47) Bromodichloromethane	9.648	83	247561	57.492	ug/l		95
48) Methyl methacrylate	9.441	41	114501	57.353	ug/l		99
49) 1,4-Dioxane	9.459	88	27240	1520.227	ug/l		96
51) 4-Methyl-2-Pentanone	10.209	43	676661	294.645	ug/l		99
52) Toluene	10.392	92	441658	57.118	ug/l		99
53) t-1,3-Dichloropropene	10.605	75	230434	55.788	ug/l		98
54) cis-1,3-Dichloropropene	10.075	75	264955	56.169	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	136947	57.413	ug/l		91
56) Ethyl methacrylate	10.648	69	196180	58.234	ug/l		99
57) 1,3-Dichloropropane	10.934	76	239932	57.096	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	434358	251.017	ug/l		99
59) 2-Hexanone	10.971	43	468449	293.457	ug/l		99
60) Dibromochloromethane	11.129	129	163216	58.688	ug/l		97
61) 1,2-Dibromoethane	11.233	107	132321	56.140	ug/l		99
64) Tetrachloroethene	10.861	164	120637	51.855	ug/l		93
65) Chlorobenzene	11.654	112	461052	53.387	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.727	131	154000	57.521	ug/l		96
67) Ethyl Benzene	11.727	91	835941	55.092	ug/l		98
68) m/p-Xylenes	11.836	106	629273	110.164	ug/l		99
69) o-Xylene	12.166	106	300812	55.646	ug/l		100
70) Styrene	12.178	104	524997	57.041	ug/l		98
71) Bromoform	12.349	173	88226	60.255	ug/l	#	98
73) Isopropylbenzene	12.464	105	775034	53.083	ug/l		98
74) N-amyl acetate	12.269	43	214488	54.340	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.714	83	171707	55.405	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	123275m	53.061	ug/l		
77) Bromobenzene	12.745	156	174785	55.328	ug/l		93
78) n-propylbenzene	12.800	91	936246	52.211	ug/l		99
79) 2-Chlorotoluene	12.891	91	560072	52.311	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	645113	52.683	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.507	75	55549	55.201	ug/l		98
82) 4-Chlorotoluene	12.983	91	589037	52.442	ug/l		100
83) tert-Butylbenzene	13.202	119	561026	53.787	ug/l		97
84) 1,2,4-Trimethylbenzene	13.245	105	658001	53.090	ug/l		100
85) sec-Butylbenzene	13.379	105	803827	51.317	ug/l		97
86) p-Isopropyltoluene	13.495	119	685162	52.921	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	344427	52.377	ug/l		99
88) 1,4-Dichlorobenzene	13.574	146	337723	52.427	ug/l		99
89) n-Butylbenzene	13.818	91	663246	52.221	ug/l		99
90) Hexachloroethane	14.086	117	121255	54.161	ug/l		94
91) 1,2-Dichlorobenzene	13.860	146	304656	52.276	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30765	54.947	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	187220	53.269	ug/l		92
94) Hexachlorobutadiene	15.226	225	85665	51.438	ug/l		95
95) Naphthalene	15.360	128	476978	55.201	ug/l		98
96) 1,2,3-Trichlorobenzene	15.543	180	170625	53.582	ug/l		99

Sample Results: **VW031971.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
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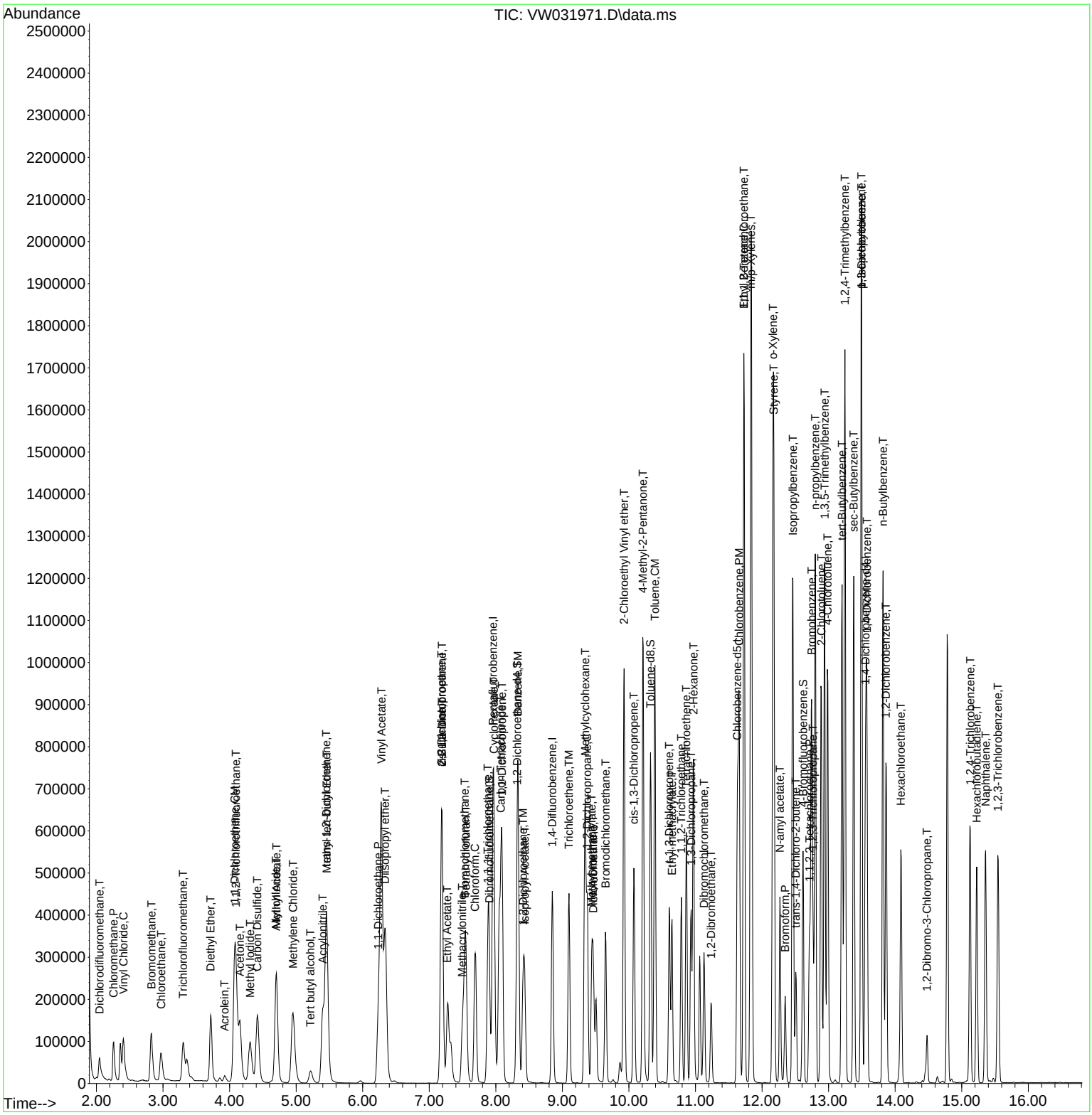
Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025



Sample Results: **VW031971.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.372	0.424	-14.0	114	0.00
3	P	Chloromethane	0.477	0.550	-15.3	122	0.00
4	C	Vinyl Chloride	0.620	0.631	-1.8#	99	0.00
5	T	Bromomethane	0.456	0.502	-10.1	112	0.00
6	T	Chloroethane	0.409	0.447	-9.3	110	0.00
7	T	Trichlorofluoromethane	0.628	0.556	11.5	79	-0.01
8	T	Diethyl Ether	0.419	0.435	-3.8	108	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.604	0.645	-6.8	106	-0.02
10	T	Methyl Iodide	0.902	0.929	-3.0	104	0.00
11	T	Tert butyl alcohol	0.044	0.051	-15.9	114	0.00
12	CM	1,1-Dichloroethene	0.667	0.727	-9.0#	109	0.00
13	T	Acrolein	0.065	0.017	73.8#	31#	-0.02
14	T	Allyl chloride	1.038	1.037	0.1	99	-0.01
15	T	Acrylonitrile	0.187	0.210	-12.3	111	0.00
16	T	Acetone	0.179	0.201	-12.3	117	-0.01
17	T	Carbon Disulfide	1.729	1.915	-10.8	109	0.00
18	T	Methyl Acetate	0.494	0.592	-19.8	120	-0.01
19	T	Methyl tert-butyl Ether	1.152	1.215	-5.5	104	0.00
20	T	Methylene Chloride	0.944	0.764	19.1	98	0.00
21	T	trans-1,2-Dichloroethene	0.707	0.761	-7.6	106	-0.01
22	T	Diisopropyl ether	2.077	2.182	-5.1	102	0.00
23	T	Vinyl Acetate	1.357	1.467	-8.1	104	0.00
24	P	1,1-Dichloroethane	1.293	1.383	-7.0	106	-0.01
25	T	2-Butanone	0.246	0.276	-12.2	113	0.00
26	T	2,2-Dichloropropane	0.732	0.716	2.2	94	0.00
27	T	cis-1,2-Dichloroethene	0.832	0.892	-7.2	104	0.00
28	T	Bromochloromethane	0.541	0.501	7.4	92	0.00
29	T	Tetrahydrofuran	0.161	0.183	-13.7	111	0.00
30	C	Chloroform	1.356	1.479	-9.1#	109	0.00
31	T	Cyclohexane	1.160	1.145	1.3	101	0.00
32	T	1,1,1-Trichloroethane	1.032	1.084	-5.0	104	0.00
33	S	1,2-Dichloroethane-d4	0.756	0.751	0.7	102	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.340	0.365	-7.4	104	0.00
36	T	1,1-Dichloropropene	0.522	0.573	-9.8	105	0.00
37	T	Ethyl Acetate	0.298	0.328	-10.1	103	0.00
38	T	Carbon Tetrachloride	0.501	0.560	-11.8	106	0.00
39	T	Methylcyclohexane	0.657	0.708	-7.8	100	0.00
40	TM	Benzene	1.545	1.718	-11.2	105	0.00
41	T	Methacrylonitrile	0.178	0.194	-9.0	101	0.00
42	TM	1,2-Dichloroethane	0.494	0.555	-12.3	107	0.00
43	T	Isopropyl Acetate	0.539	0.604	-12.1	106	0.00
44	TM	Trichloroethene	0.367	0.401	-9.3	103	0.00
45	C	1,2-Dichloropropane	0.372	0.415	-11.6#	107	0.00
46	T	Dibromomethane	0.231	0.261	-13.0	107	0.00
47	T	Bromodichloromethane	0.553	0.636	-15.0	111	0.00
48	T	Methyl methacrylate	0.256	0.294	-14.8	107	0.00

Sample Results: **VW031971.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.003	-50.0#	125	0.00
50	S	Toluene-d8	1.286	1.350	-5.0	103	0.00
51	T	4-Methyl-2-Pentanone	0.295	0.348	-18.0	110	0.00
52	CM	Toluene	0.993	1.134	-14.2#	108	0.00
53	T	t-1,3-Dichloropropene	0.530	0.592	-11.7	106	0.00
54	T	cis-1,3-Dichloropropene	0.606	0.680	-12.2	105	0.00
55	T	1,1,2-Trichloroethane	0.306	0.352	-15.0	109	0.00
56	T	Ethyl methacrylate	0.433	0.504	-16.4	106	0.00
57	T	1,3-Dichloropropane	0.540	0.616	-14.1	107	0.00
58	T	2-Chloroethyl Vinyl ether	0.222	0.223	-0.5	93	0.00
59	T	2-Hexanone	0.205	0.241	-17.6	109	0.00
60	T	Dibromochloromethane	0.357	0.419	-17.4	111	0.00
61	T	1,2-Dibromoethane	0.303	0.340	-12.2	106	0.00
62	S	4-Bromofluorobenzene	0.494	0.495	-0.2	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
64	T	Tetrachloroethene	0.330	0.342	-3.6	104	0.00
65	PM	Chlorobenzene	1.224	1.307	-6.8	103	0.00
66	T	1,1,1,2-Tetrachloroethane	0.379	0.436	-15.0	114	0.00
67	C	Ethyl Benzene	2.150	2.369	-10.2#	105	0.00
68	T	m/p-Xylenes	0.809	0.892	-10.3	107	0.00
69	T	o-Xylene	0.766	0.852	-11.2	105	0.00
70	T	Styrene	1.304	1.488	-14.1	108	0.00
71	P	Bromoform	0.207	0.250	-20.8	113	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	4.338	4.606	-6.2	104	0.00
74	T	N-amyl acetate	1.173	1.275	-8.7	107	0.00
75	P	1,1,2,2-Tetrachloroethane	0.921	1.020	-10.7	111	0.00
76	T	1,2,3-Trichloropropane	0.690	0.733	-6.2	106	0.00
77	T	Bromobenzene	0.939	1.039	-10.6	114	0.00
78	T	n-propylbenzene	5.328	5.564	-4.4	104	0.00
79	T	2-Chlorotoluene	3.181	3.328	-4.6	106	0.00
80	T	1,3,5-Trimethylbenzene	3.638	3.834	-5.4	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.299	0.330	-10.4	110	0.00
82	T	4-Chlorotoluene	3.337	3.500	-4.9	106	0.00
83	T	tert-Butylbenzene	3.099	3.334	-7.6	108	0.00
84	T	1,2,4-Trimethylbenzene	3.683	3.910	-6.2	106	0.00
85	T	sec-Butylbenzene	4.654	4.777	-2.6	103	0.00
86	T	p-Isopropyltoluene	3.847	4.072	-5.8	106	0.00
87	T	1,3-Dichlorobenzene	1.954	2.047	-4.8	107	0.00
88	T	1,4-Dichlorobenzene	1.914	2.007	-4.9	110	0.00
89	T	n-Butylbenzene	3.774	3.941	-4.4	103	0.00
90	T	Hexachloroethane	0.665	0.721	-8.4	112	0.00
91	T	1,2-Dichlorobenzene	1.732	1.810	-4.5	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.166	0.183	-10.2	114	0.00
93	T	1,2,4-Trichlorobenzene	1.044	1.113	-6.6	113	0.00
94	T	Hexachlorobutadiene	0.495	0.509	-2.8	104	0.00
95	T	Naphthalene	2.567	2.835	-10.4	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.946	1.014	-7.2	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VW031971.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	57.106	-14.2	114	0.00
3	P	Chloromethane	50.000	57.631	-15.3	122	0.00
4	C	Vinyl Chloride	50.000	50.910	-1.8#	99	0.00
5	T	Bromomethane	50.000	55.049	-10.1	112	0.00
6	T	Chloroethane	50.000	54.684	-9.4	110	0.00
7	T	Trichlorofluoromethane	50.000	44.312	11.4	79	-0.01
8	T	Diethyl Ether	50.000	51.846	-3.7	108	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.402	-6.8	106	-0.02
10	T	Methyl Iodide	50.000	51.469	-2.9	104	0.00
11	T	Tert butyl alcohol	250.000	288.537	-15.4	114	0.00
12	CM	1,1-Dichloroethene	50.000	54.504	-9.0#	109	0.00
13	T	Acrolein	250.000	59.978	76.0#	31	-0.02
14	T	Allyl chloride	50.000	49.935	0.1	99	-0.01
15	T	Acrylonitrile	250.000	279.999	-12.0	111	0.00
16	T	Acetone	250.000	280.500	-12.2	117	-0.01
17	T	Carbon Disulfide	50.000	55.366	-10.7	109	0.00
18	T	Methyl Acetate	50.000	59.882	-19.8	120	-0.01
19	T	Methyl tert-butyl Ether	50.000	52.743	-5.5	104	0.00
20	T	Methylene Chloride	50.000	49.711	0.6	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.778	-7.6	106	-0.01
22	T	Diisopropyl ether	50.000	52.539	-5.1	102	0.00
23	T	Vinyl Acetate	250.000	270.216	-8.1	104	0.00
24	P	1,1-Dichloroethane	50.000	53.466	-6.9	106	-0.01
25	T	2-Butanone	250.000	280.867	-12.3	113	0.00
26	T	2,2-Dichloropropane	50.000	48.877	2.2	94	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.628	-7.3	104	0.00
28	T	Bromochloromethane	50.000	46.312	7.4	92	0.00
29	T	Tetrahydrofuran	250.000	284.086	-13.6	111	0.00
30	C	Chloroform	50.000	54.561	-9.1#	109	0.00
31	T	Cyclohexane	50.000	49.349	1.3	101	0.00
32	T	1,1,1-Trichloroethane	50.000	52.529	-5.1	104	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.660	0.7	102	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	53.665	-7.3	104	0.00
36	T	1,1-Dichloropropene	50.000	54.892	-9.8	105	0.00
37	T	Ethyl Acetate	50.000	55.082	-10.2	103	0.00
38	T	Carbon Tetrachloride	50.000	55.914	-11.8	106	0.00
39	T	Methylcyclohexane	50.000	53.874	-7.7	100	0.00
40	TM	Benzene	50.000	55.601	-11.2	105	0.00
41	T	Methacrylonitrile	50.000	54.466	-8.9	101	0.00
42	TM	1,2-Dichloroethane	50.000	56.094	-12.2	107	0.00
43	T	Isopropyl Acetate	50.000	56.007	-12.0	106	0.00
44	TM	Trichloroethene	50.000	54.659	-9.3	103	0.00
45	C	1,2-Dichloropropane	50.000	55.778	-11.6#	107	0.00
46	T	Dibromomethane	50.000	56.530	-13.1	107	0.00
47	T	Bromodichloromethane	50.000	57.492	-15.0	111	0.00
48	T	Methyl methacrylate	50.000	57.353	-14.7	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1520.227	-52.0#	125	0.00
50	S	Toluene-d8	50.000	52.485	-5.0	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	294.645	-17.9	110	0.00
52	CM	Toluene	50.000	57.118	-14.2#	108	0.00
53	T	t-1,3-Dichloropropene	50.000	55.788	-11.6	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.169	-12.3	105	0.00
55	T	1,1,2-Trichloroethane	50.000	57.413	-14.8	109	0.00
56	T	Ethyl methacrylate	50.000	58.234	-16.5	106	0.00
57	T	1,3-Dichloropropane	50.000	57.096	-14.2	107	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	251.017	-0.4	93	0.00
59	T	2-Hexanone	250.000	293.457	-17.4	109	0.00
60	T	Dibromochloromethane	50.000	58.688	-17.4	111	0.00
61	T	1,2-Dibromoethane	50.000	56.140	-12.3	106	0.00
62	S	4-Bromofluorobenzene	50.000	50.153	-0.3	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	98	0.00
64	T	Tetrachloroethene	50.000	51.855	-3.7	104	0.00
65	PM	Chlorobenzene	50.000	53.387	-6.8	103	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.521	-15.0	114	0.00
67	C	Ethyl Benzene	50.000	55.092	-10.2#	105	0.00
68	T	m/p-Xylenes	100.000	110.164	-10.2	107	0.00
69	T	o-Xylene	50.000	55.646	-11.3	105	0.00
70	T	Styrene	50.000	57.041	-14.1	108	0.00
71	P	Bromoform	50.000	60.255	-20.5	113	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	53.083	-6.2	104	0.00
74	T	N-amyl acetate	50.000	54.340	-8.7	107	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.405	-10.8	111	0.00
76	T	1,2,3-Trichloropropane	50.000	53.061	-6.1	106	0.00
77	T	Bromobenzene	50.000	55.328	-10.7	114	0.00
78	T	n-propylbenzene	50.000	52.211	-4.4	104	0.00
79	T	2-Chlorotoluene	50.000	52.311	-4.6	106	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.683	-5.4	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.201	-10.4	110	0.00
82	T	4-Chlorotoluene	50.000	52.442	-4.9	106	0.00
83	T	tert-Butylbenzene	50.000	53.787	-7.6	108	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.090	-6.2	106	0.00
85	T	sec-Butylbenzene	50.000	51.317	-2.6	103	0.00
86	T	p-Isopropyltoluene	50.000	52.921	-5.8	106	0.00
87	T	1,3-Dichlorobenzene	50.000	52.377	-4.8	107	0.00
88	T	1,4-Dichlorobenzene	50.000	52.427	-4.9	110	0.00
89	T	n-Butylbenzene	50.000	52.221	-4.4	103	0.00
90	T	Hexachloroethane	50.000	54.161	-8.3	112	0.00
91	T	1,2-Dichlorobenzene	50.000	52.276	-4.6	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.947	-9.9	114	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.269	-6.5	113	0.00
94	T	Hexachlorobutadiene	50.000	51.438	-2.9	104	0.00
95	T	Naphthalene	50.000	55.201	-10.4	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031971.D
Acq On : 01 Aug 2025 08:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Aug 01 23:06:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.582	-7.2	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

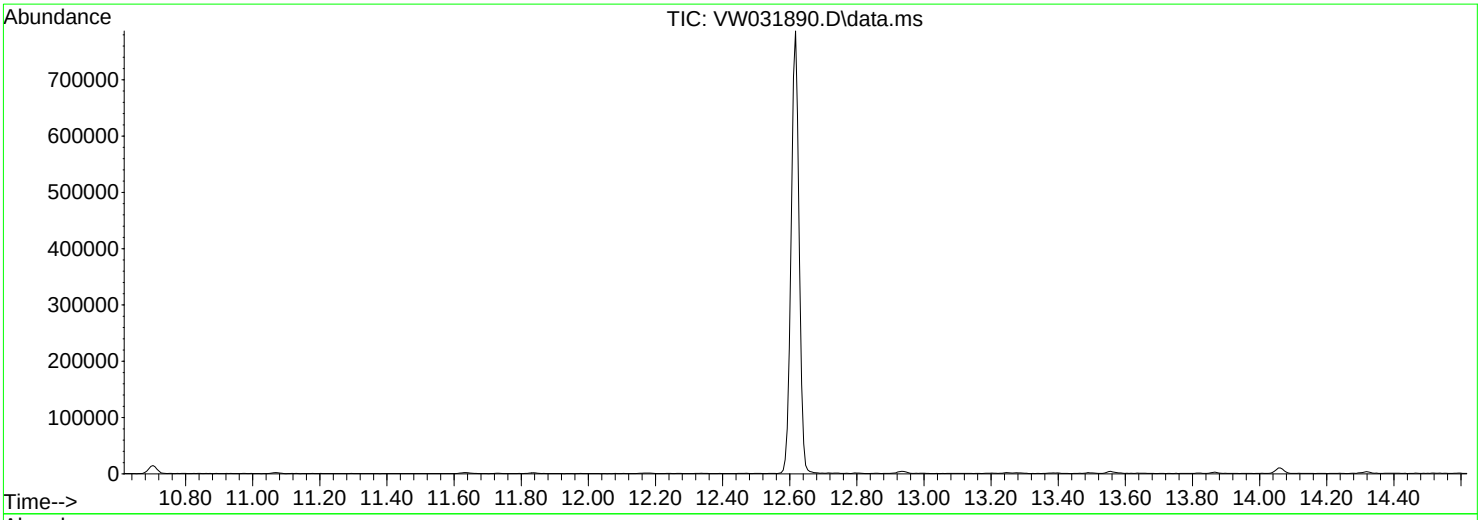
Sample Results: **VW031890.D**

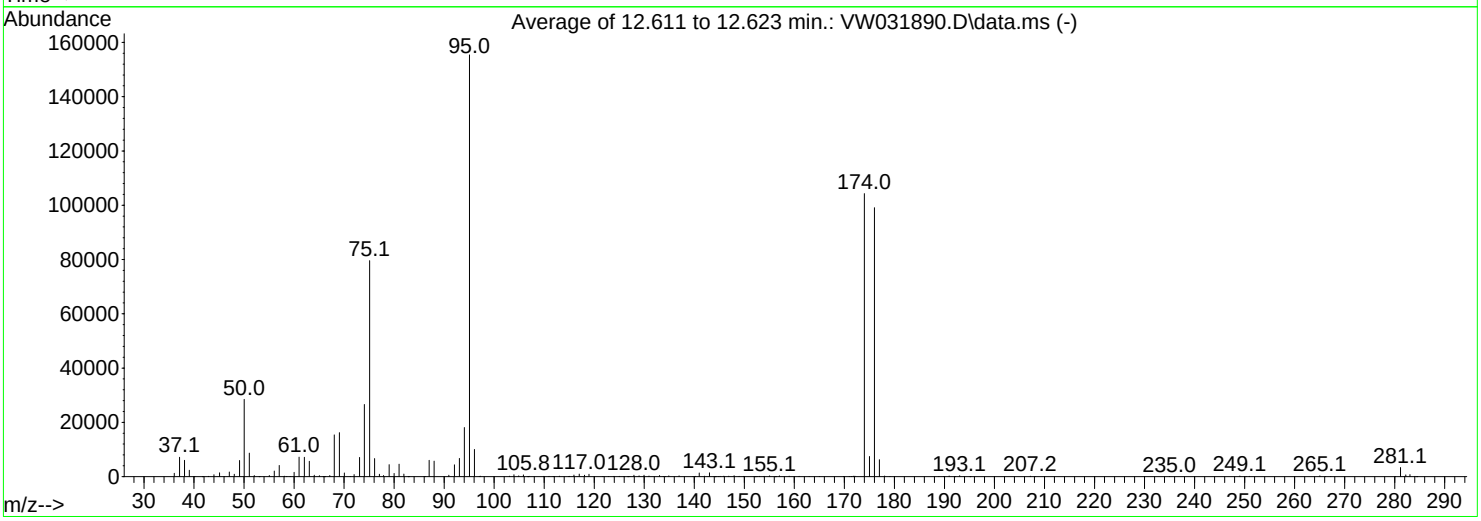
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
Data File : VW031890.D
Acq On : 22 Jul 2025 08:14
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Title : SW846 8260
Last Update : Wed Jul 23 08:18:46 2025





AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	28475	PASS
75	95	30	60	51.2	79621	PASS
95	95	100	100	100.0	155413	PASS
96	95	5	9	6.4	10008	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.1	104317	PASS
175	174	5	9	7.1	7429	PASS
176	174	95	101	95.0	99120	PASS
177	176	5	9	6.3	6263	PASS

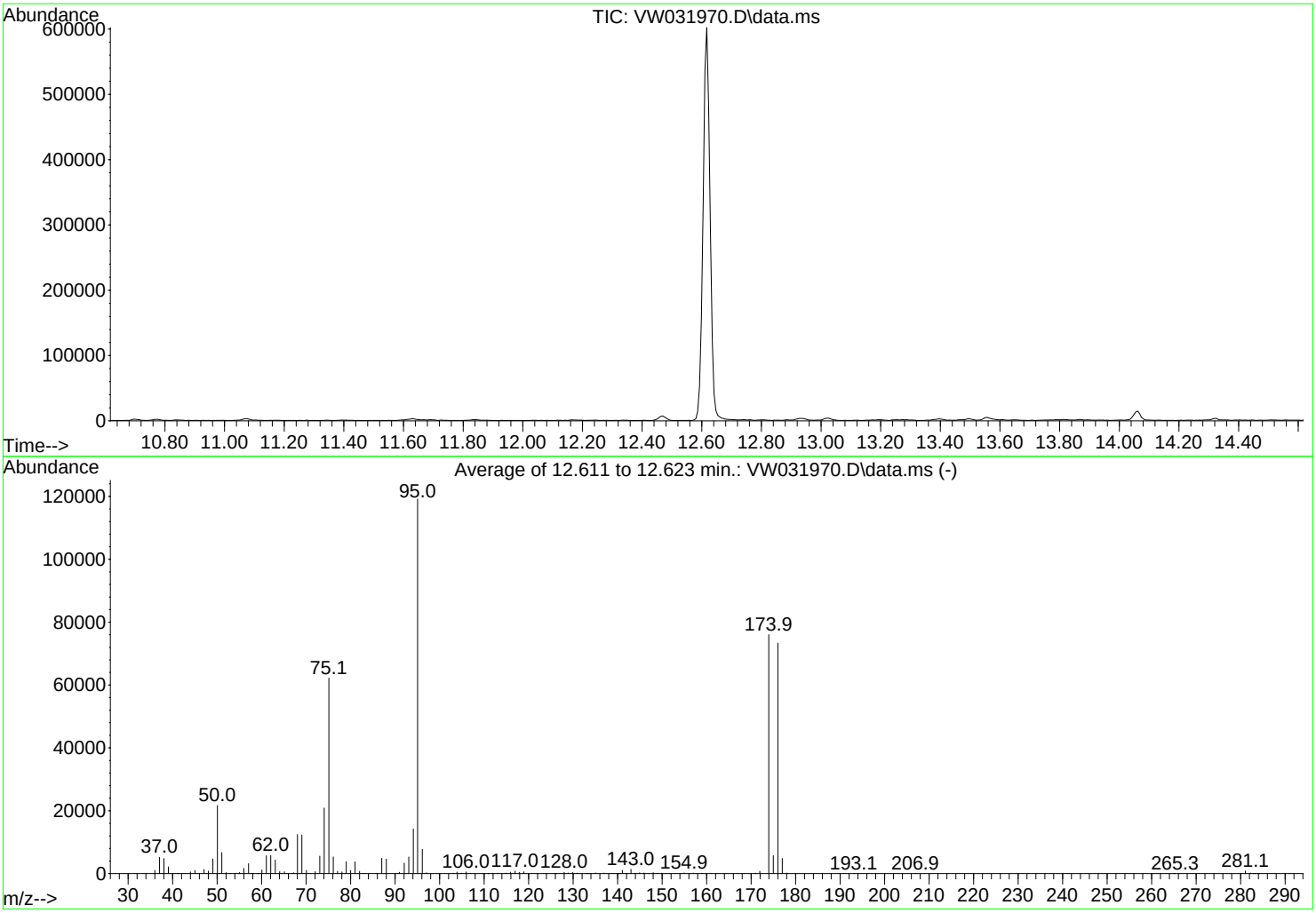
Sample Results: **VW031970.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031970.D
Acq On : 01 Aug 2025 07:52
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Title : SW846 8260
Last Update : Wed Jul 23 08:18:46 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1751

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	21667	PASS
75	95	30	60	52.2	62216	PASS
95	95	100	100	100.0	119189	PASS
96	95	5	9	6.5	7728	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	63.8	76035	PASS
175	174	5	9	7.5	5730	PASS
176	174	95	101	96.4	73323	PASS
177	176	5	9	6.5	4787	PASS

Raw Data: **VW031972.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0801SBL01	SDG No.:	Q2743
Lab Sample ID:	VW0801SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031972.D	1	08/01/25 09:21	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0801SBL01	SDG No.:	Q2743
Lab Sample ID:	VW0801SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031972.D	1	08/01/25 09:21	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		70 (63) - 130 (155)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (70) - 130 (134)	98%	SPK: 50
2037-26-5	Toluene-d8	46.9		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.0		70 (17) - 130 (146)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	7.959			
540-36-3	1,4-Difluorobenzene	350000	8.849			
3114-55-4	Chlorobenzene-d5	344000	11.636			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.556			

Raw Data: **VW031972.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0801SBL01	SDG No.:	Q2743
Lab Sample ID:	VW0801SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031972.D	1	08/01/25 09:21	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VW031972.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031972.D
Acq On : 01 Aug 2025 09:21
Operator : SY/MD
Sample : VW0801SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Quant Time: Aug 01 23:07:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

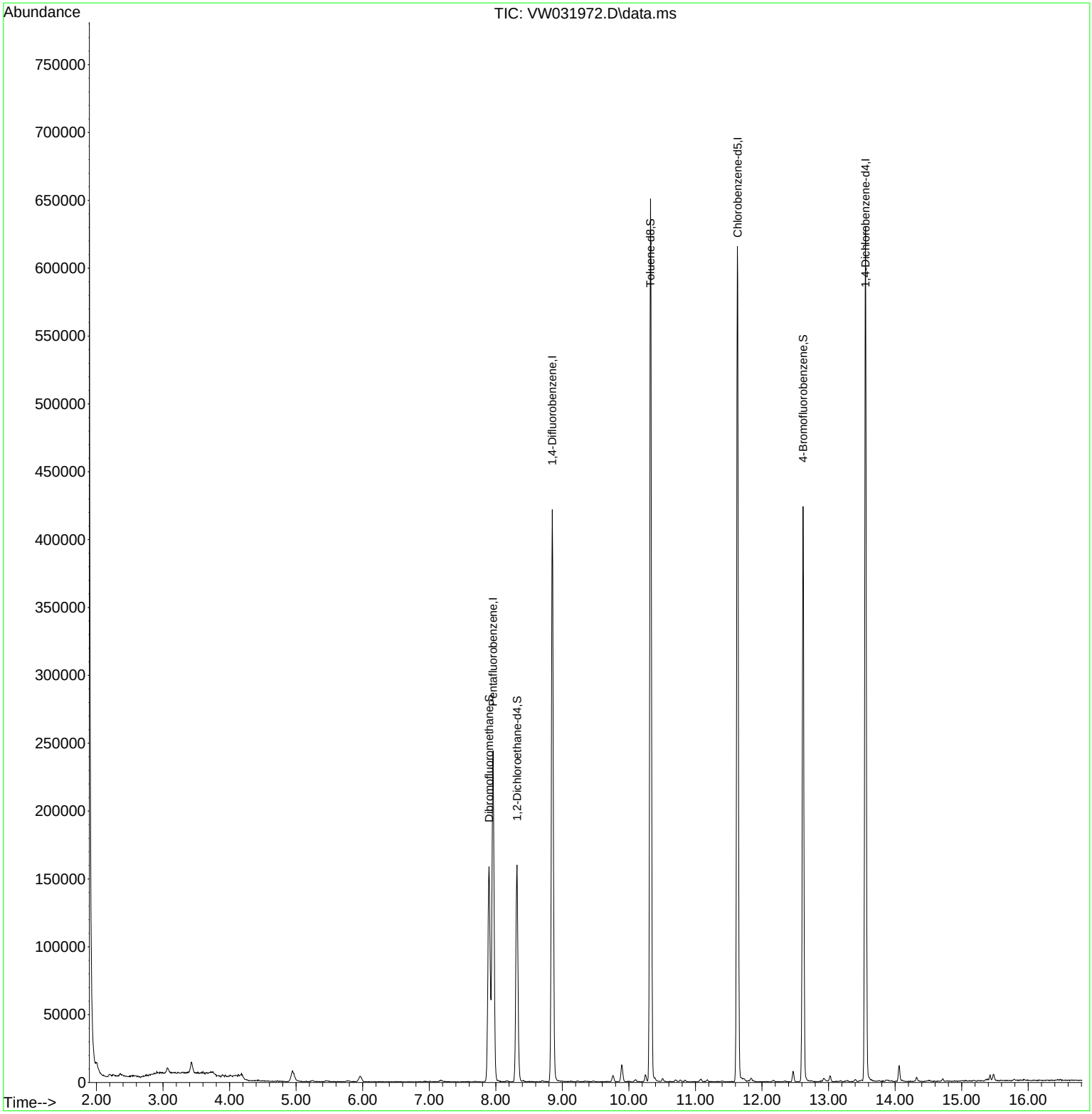
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	165069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	350388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	344045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	156295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131178	52.533	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.060%			
35) Dibromofluoromethane	7.898	113	116693	49.011	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.020%			
50) Toluene-d8	10.325	98	422958	46.938	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 93.880%			
62) 4-Bromofluorobenzene	12.617	95	152294	44.015	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 88.020%			
Target Compounds						Qvalue

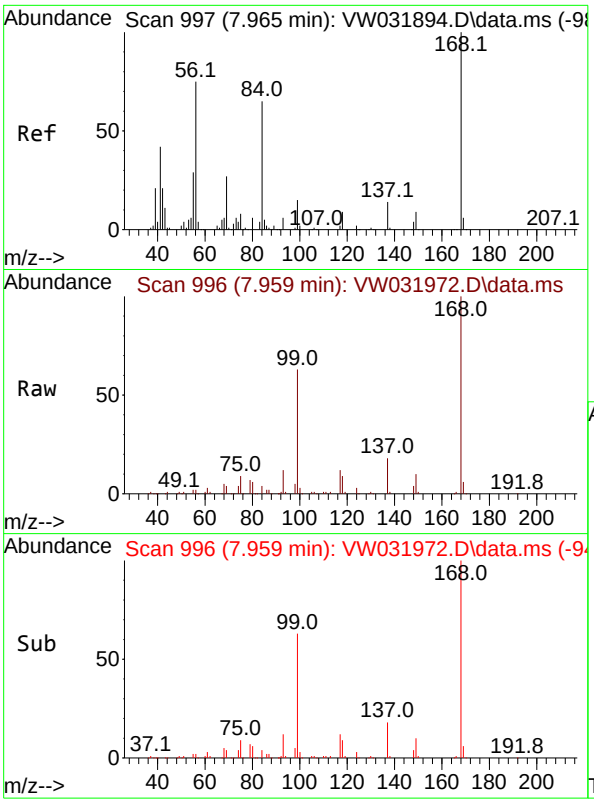
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031972.D
Acq On : 01 Aug 2025 09:21
Operator : SY/MD
Sample : VW0801SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Quant Time: Aug 01 23:07:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration



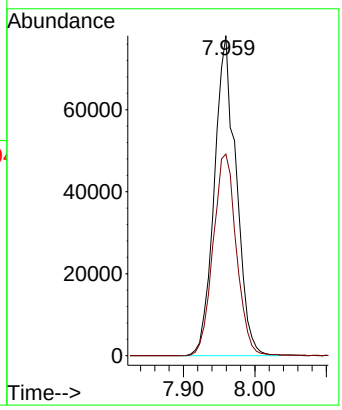


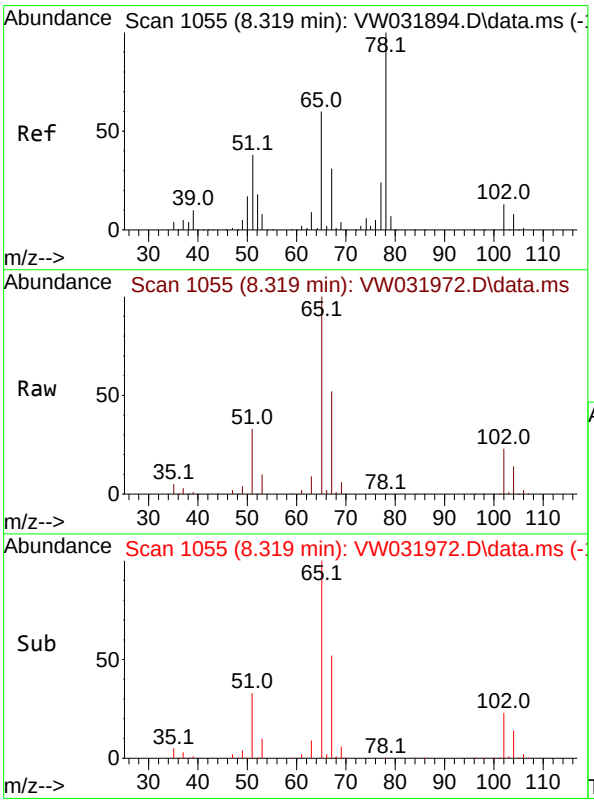
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Tgt Ion:168 Resp: 165069

Ion	Ratio	Lower	Upper
168	100		
99	63.0	48.2	72.2

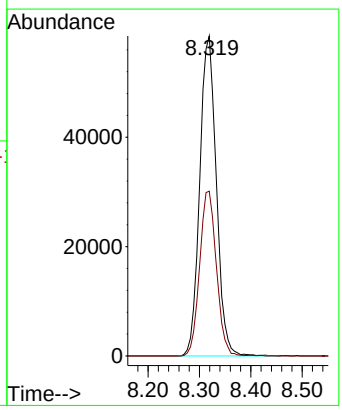


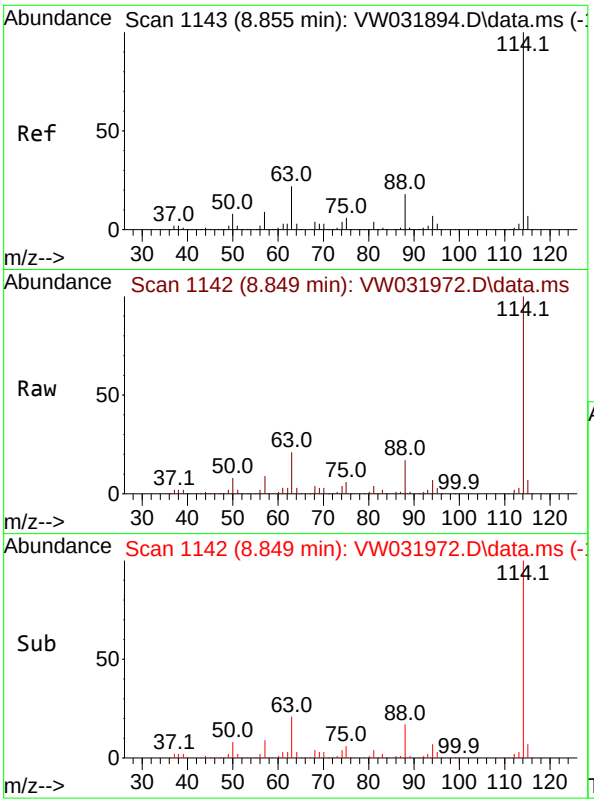


#33
1,2-Dichloroethane-d4
Concen: 52.533 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion: 65 Resp: 131178

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	101.4



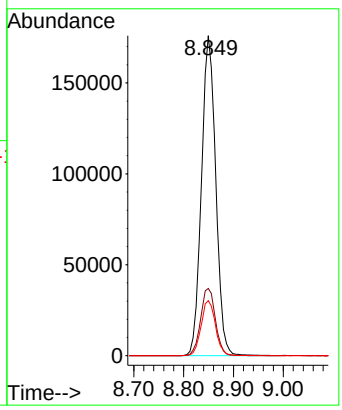


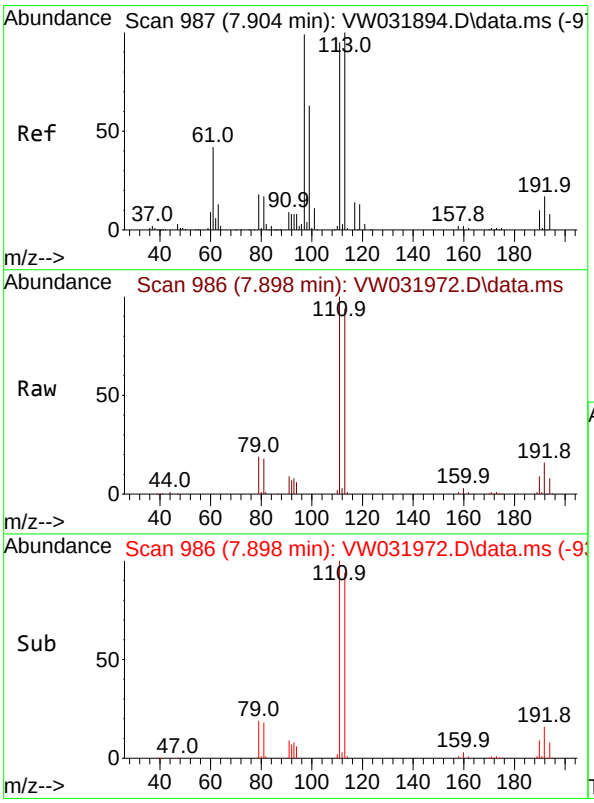
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Tgt Ion:114 Resp: 350388

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.2
88	17.2	0.0	35.6

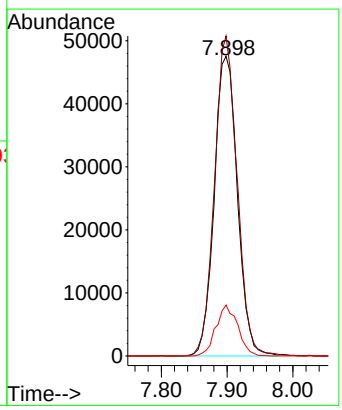


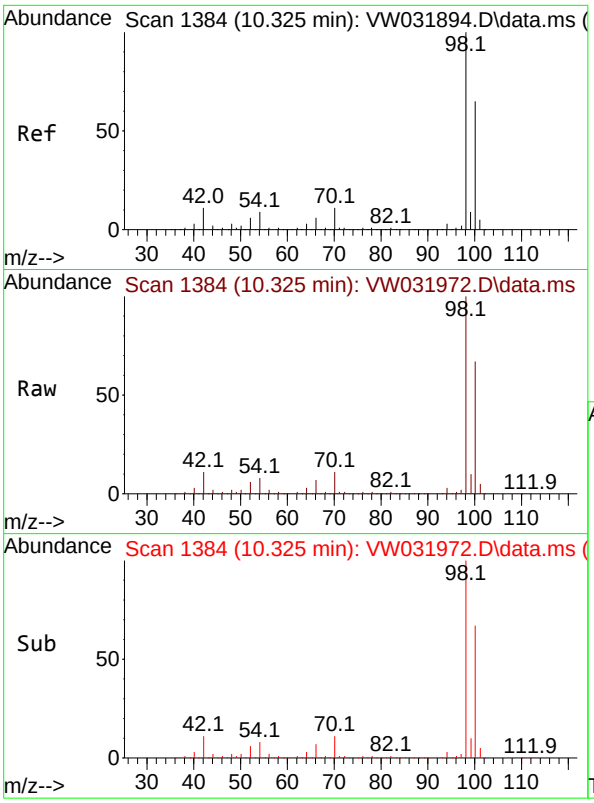


#35
Dibromofluoromethane
Concen: 49.011 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion:113 Resp: 116693

Ion	Ratio	Lower	Upper
113	100		
111	103.9	79.9	119.9
192	16.0	12.6	19.0



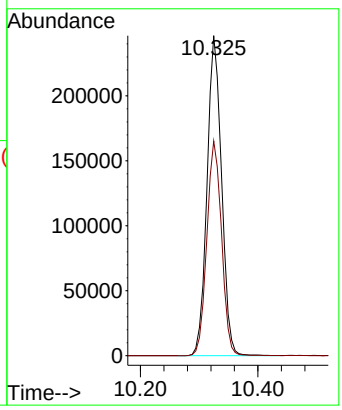


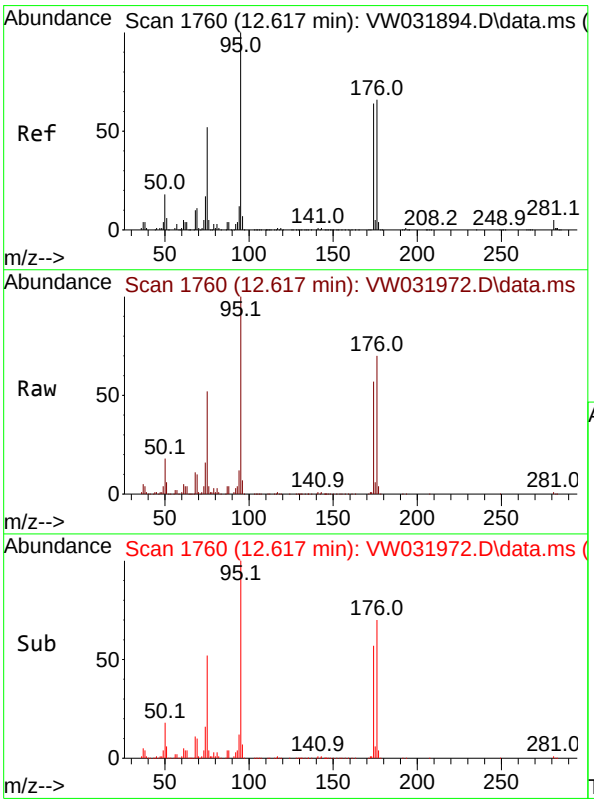
#50
Toluene-d8
Concen: 46.938 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Tgt Ion: 98 Resp: 422958

Ion	Ratio	Lower	Upper
98	100		
100	67.9	51.7	77.5

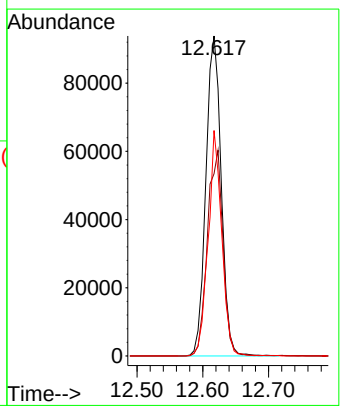


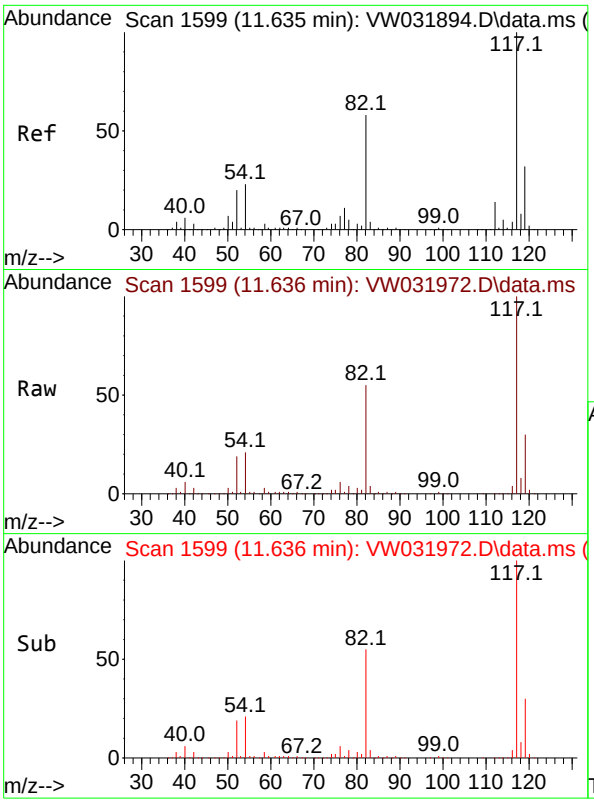


#62
4-Bromofluorobenzene
Concen: 44.015 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion: 95 Resp: 152294

Ion	Ratio	Lower	Upper
95	100		
174	65.5	0.0	129.8
176	62.8	0.0	130.4



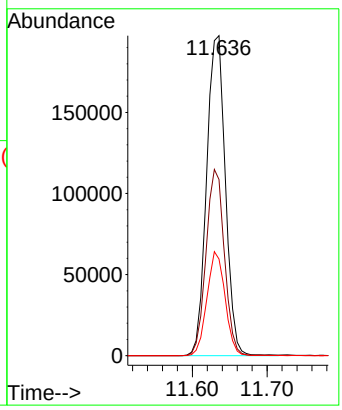


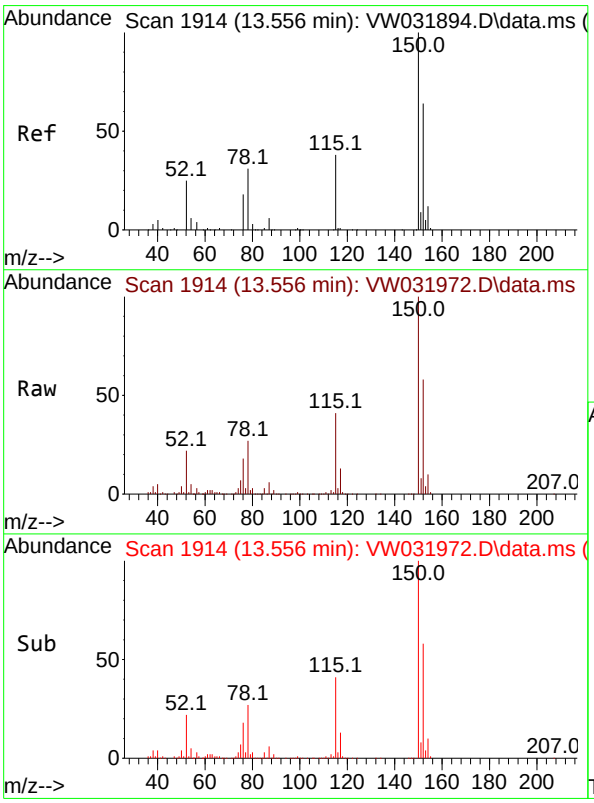
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Tgt Ion:117 Resp: 344045

Ion	Ratio	Lower	Upper
117	100		
82	55.1	46.5	69.7
119	30.2	25.8	38.6

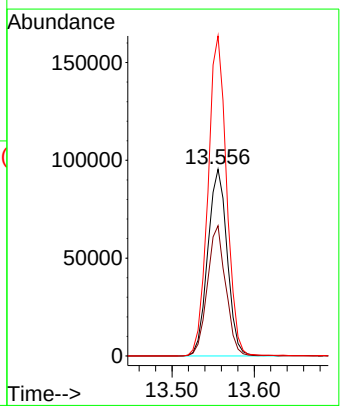




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031972.D
Acq: 01 Aug 2025 09:21

Tgt Ion:152 Resp: 156295

Ion	Ratio	Lower	Upper
152	100		
115	66.1	33.4	100.1
150	164.6	0.0	352.2



Sample Results: **VW031972.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031972.D
Acq On : 01 Aug 2025 09:21
Operator : SY/MD
Sample : VW0801SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Title : SW846 8260

Signal : TIC: VW031972.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.424	247	252	260	rVB3	7964	18368	1.62%	0.299%
2	4.948	490	502	515	rBV3	7970	28548	2.52%	0.465%
3	5.960	658	668	678	rBV5	4180	13737	1.21%	0.224%
4	7.898	971	986	991	rBV	158762	390601	34.46%	6.356%
5	7.959	991	996	1006	rVB	243262	527101	46.50%	8.577%
6	8.319	1046	1055	1066	rBV	159701	353808	31.21%	5.757%
7	8.849	1133	1142	1158	rBV	421382	845303	74.57%	13.754%
8	9.892	1306	1313	1324	rVB3	12386	25064	2.21%	0.408%
9	10.325	1376	1384	1393	rBV	649912	1133508	100.00%	18.444%
10	11.629	1589	1598	1607	rBV	615596	1067478	94.17%	17.369%
11	12.465	1729	1735	1743	rBV3	7820	13567	1.20%	0.221%
12	12.617	1750	1760	1772	rBV2	424048	693415	61.17%	11.283%
13	13.556	1907	1914	1927	rBV	629105	1015554	89.59%	16.524%
14	14.062	1991	1997	2003	rBV	11620	19717	1.74%	0.321%

Sum of corrected areas: 6145769

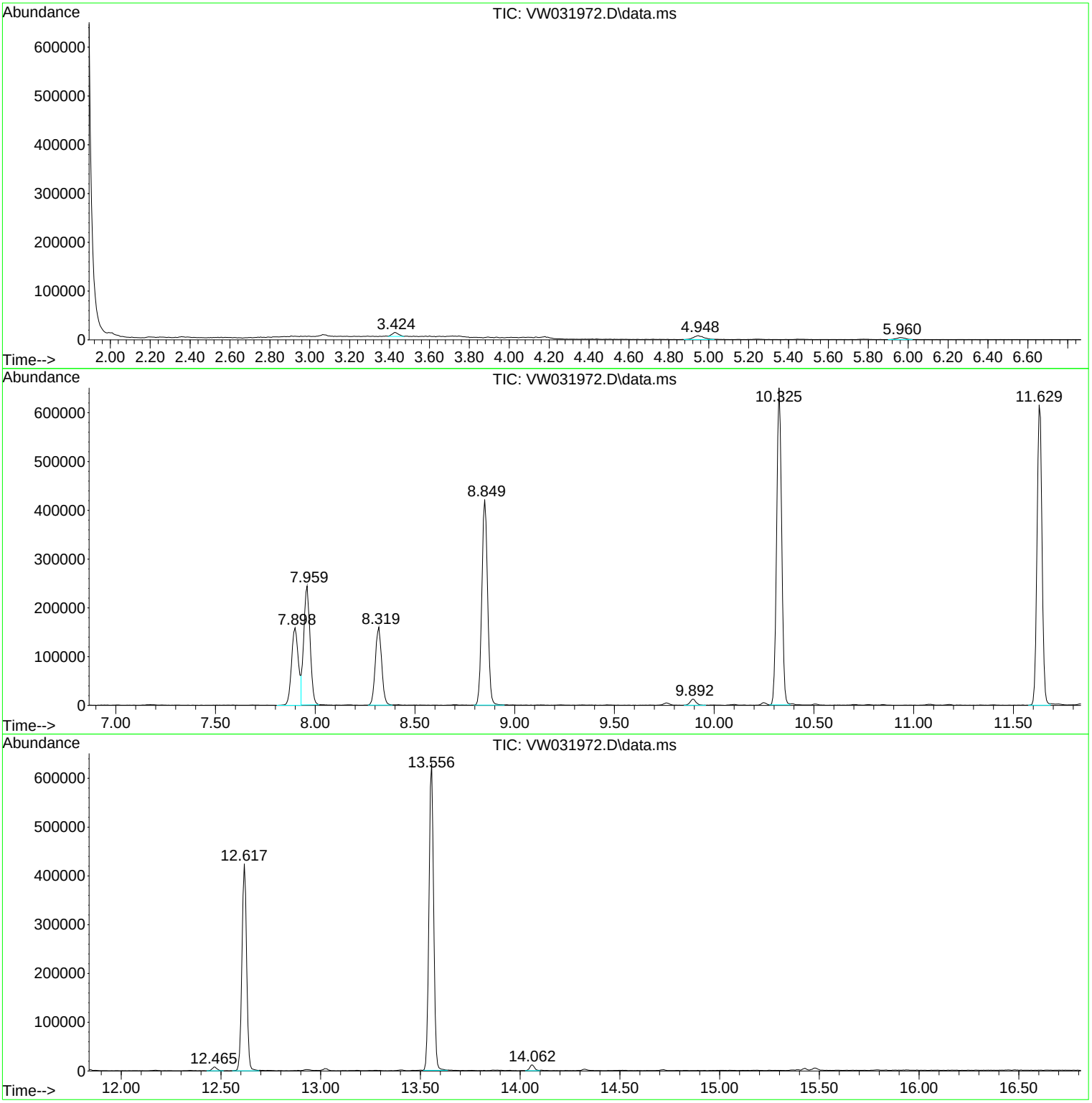
Sample Results: **VW031972.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031972.D
Acq On : 01 Aug 2025 09:21
Operator : SY/MD
Sample : VW0801SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VW031972.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031972.D
Acq On : 01 Aug 2025 09:21
Operator : SY/MD
Sample : VW0801SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031972.D
Acq On : 01 Aug 2025 09:21
Operator : SY/MD
Sample : VW0801SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VW031973.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0801SBS01	SDG No.:	Q2743
Lab Sample ID:	VW0801SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031973.D	1	08/01/25 09:49	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.3		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.7		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	15.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.7		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	17.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.8		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.5		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.4		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.4		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.1		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.2		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.7		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.2		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.6		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0801SBS01	SDG No.:	Q2743
Lab Sample ID:	VW0801SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031973.D	1	08/01/25 09:49	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.5		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.6		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.2		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.2		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.2		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.2		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		70 (63) - 130 (155)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (17) - 130 (146)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	204000	7.959			
540-36-3	1,4-Difluorobenzene	389000	8.849			
3114-55-4	Chlorobenzene-d5	355000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.556			

Raw Data: **VW031973.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0801SBS01	SDG No.:	Q2743
Lab Sample ID:	VW0801SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031973.D	1	08/01/25 09:49	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 01 23:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	204409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	389040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	355301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	169621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161977	52.383	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.760%			
35) Dibromofluoromethane	7.898	113	138929	52.553	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 105.100%			
50) Toluene-d8	10.325	98	510960	51.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.617	95	195687	50.937	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 101.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	26226	17.263	ug/l	91
3) Chloromethane	2.253	50	38150	19.565	ug/l	99
4) Vinyl Chloride	2.399	62	46264	18.265	ug/l	94
5) Bromomethane	2.820	94	36788	19.723	ug/l	97
6) Chloroethane	2.966	64	33442	20.004	ug/l	96
7) Trichlorofluoromethane	3.302	101	39130	15.252	ug/l	96
8) Diethyl Ether	3.716	74	33556	19.580	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.094	101	48715	19.741	ug/l	96
10) Methyl Iodide	4.308	142	69558	18.853	ug/l	98
11) Tert butyl alcohol	5.216	59	20911	115.046	ug/l #	93
12) 1,1-Dichloroethene	4.076	96	53794	19.737	ug/l	93
13) Acrolein	3.924	56	15768	54.663	ug/l	97
14) Allyl chloride	4.698	41	79388	18.710	ug/l	98
15) Acrylonitrile	5.399	53	80852	105.526	ug/l	99
16) Acetone	4.161	43	81896	111.611	ug/l	95
17) Carbon Disulfide	4.417	76	133303	18.858	ug/l	100
18) Methyl Acetate	4.710	43	44863	22.192	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	94780	20.126	ug/l	99
20) Methylene Chloride	4.948	84	63884	17.313	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	57339	19.828	ug/l	98
22) Diisopropyl ether	6.338	45	172471	20.314	ug/l	97
23) Vinyl Acetate	6.283	43	554073	99.891	ug/l	98
24) 1,1-Dichloroethane	6.240	63	108517	20.529	ug/l	99
25) 2-Butanone	7.191	43	112066	111.625	ug/l	98
26) 2,2-Dichloropropane	7.185	77	55144	18.426	ug/l	98
27) cis-1,2-Dichloroethene	7.185	96	68734	20.217	ug/l	99
28) Bromochloromethane	7.527	49	44375	20.050	ug/l #	15
29) Tetrahydrofuran	7.551	42	69425	105.474	ug/l	99
30) Chloroform	7.691	83	117578	21.214	ug/l	97
31) Cyclohexane	7.965	56	87414	18.432	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	83238	19.736	ug/l	98
36) 1,1-Dichloropropene	8.094	75	78401	19.312	ug/l	99
37) Ethyl Acetate	7.277	43	46676	20.154	ug/l	98
38) Carbon Tetrachloride	8.087	117	75591	19.401	ug/l	100
39) Methylcyclohexane	9.343	83	92733	18.151	ug/l	93
40) Benzene	8.331	78	241183	20.069	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 01 23:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.502	41	29220	21.077	ug/l		96
42) 1,2-Dichloroethane	8.411	62	79225	20.598	ug/l		99
43) Isopropyl Acetate	8.435	43	82562	19.692	ug/l		99
44) Trichloroethene	9.099	130	56255	19.693	ug/l		100
45) 1,2-Dichloropropane	9.374	63	59759	20.647	ug/l		96
46) Dibromomethane	9.465	93	36920	20.578	ug/l		98
47) Bromodichloromethane	9.648	83	89630	20.833	ug/l		99
48) Methyl methacrylate	9.441	41	39606	19.856	ug/l		97
49) 1,4-Dioxane	9.459	88	9890	552.435	ug/l		96
51) 4-Methyl-2-Pentanone	10.209	43	242840	105.836	ug/l		99
52) Toluene	10.386	92	154706	20.025	ug/l		96
53) t-1,3-Dichloropropene	10.605	75	79676	19.306	ug/l		97
54) cis-1,3-Dichloropropene	10.075	75	91609	19.438	ug/l		99
55) 1,1,2-Trichloroethane	10.788	97	49168	20.631	ug/l		94
56) Ethyl methacrylate	10.648	69	66980	19.900	ug/l		98
57) 1,3-Dichloropropane	10.934	76	87231	20.776	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.929	63	171564	99.235	ug/l		97
59) 2-Hexanone	10.971	43	168636	105.734	ug/l		98
60) Dibromochloromethane	11.130	129	56909	20.481	ug/l		98
61) 1,2-Dibromoethane	11.239	107	49593	21.060	ug/l		97
64) Tetrachloroethene	10.861	164	47641	20.337	ug/l		83
65) Chlorobenzene	11.660	112	169215	19.459	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.727	131	55290	20.510	ug/l		96
67) Ethyl Benzene	11.727	91	289325	18.937	ug/l		99
68) m/p-Xylenes	11.837	106	227948	39.631	ug/l		99
69) o-Xylene	12.166	106	106885	19.636	ug/l		100
70) Styrene	12.178	104	184711	19.931	ug/l		98
71) Bromoform	12.349	173	31240	21.189	ug/l	#	99
73) Isopropylbenzene	12.465	105	268400	18.237	ug/l		99
74) N-amyl acetate	12.270	43	73747	18.535	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.709	83	64210	20.554	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	46702m	19.942	ug/l		
77) Bromobenzene	12.745	156	64000	20.098	ug/l		92
78) n-propylbenzene	12.800	91	338914	18.750	ug/l		99
79) 2-Chlorotoluene	12.891	91	205568	19.048	ug/l		99
80) 1,3,5-Trimethylbenzene	12.940	105	229932	18.628	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.507	75	18112	17.856	ug/l		92
82) 4-Chlorotoluene	12.983	91	216472	19.120	ug/l		98
83) tert-Butylbenzene	13.202	119	195715	18.615	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	239764	19.191	ug/l		99
85) sec-Butylbenzene	13.379	105	292934	18.553	ug/l		100
86) p-Isopropyltoluene	13.495	119	246860	18.915	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	134477	20.288	ug/l		96
88) 1,4-Dichlorobenzene	13.574	146	127388	19.618	ug/l		98
89) n-Butylbenzene	13.818	91	238599	18.637	ug/l		99
90) Hexachloroethane	14.086	117	43282	19.179	ug/l		99
91) 1,2-Dichlorobenzene	13.867	146	118631	20.194	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	11068	19.611	ug/l		98
93) 1,2,4-Trichlorobenzene	15.129	180	66569	18.790	ug/l		95
94) Hexachlorobutadiene	15.232	225	31530	18.782	ug/l		99
95) Naphthalene	15.361	128	163926	18.820	ug/l		99
96) 1,2,3-Trichlorobenzene	15.549	180	61654	19.207	ug/l		97

Sample Results: **VW031973.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 01 23:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

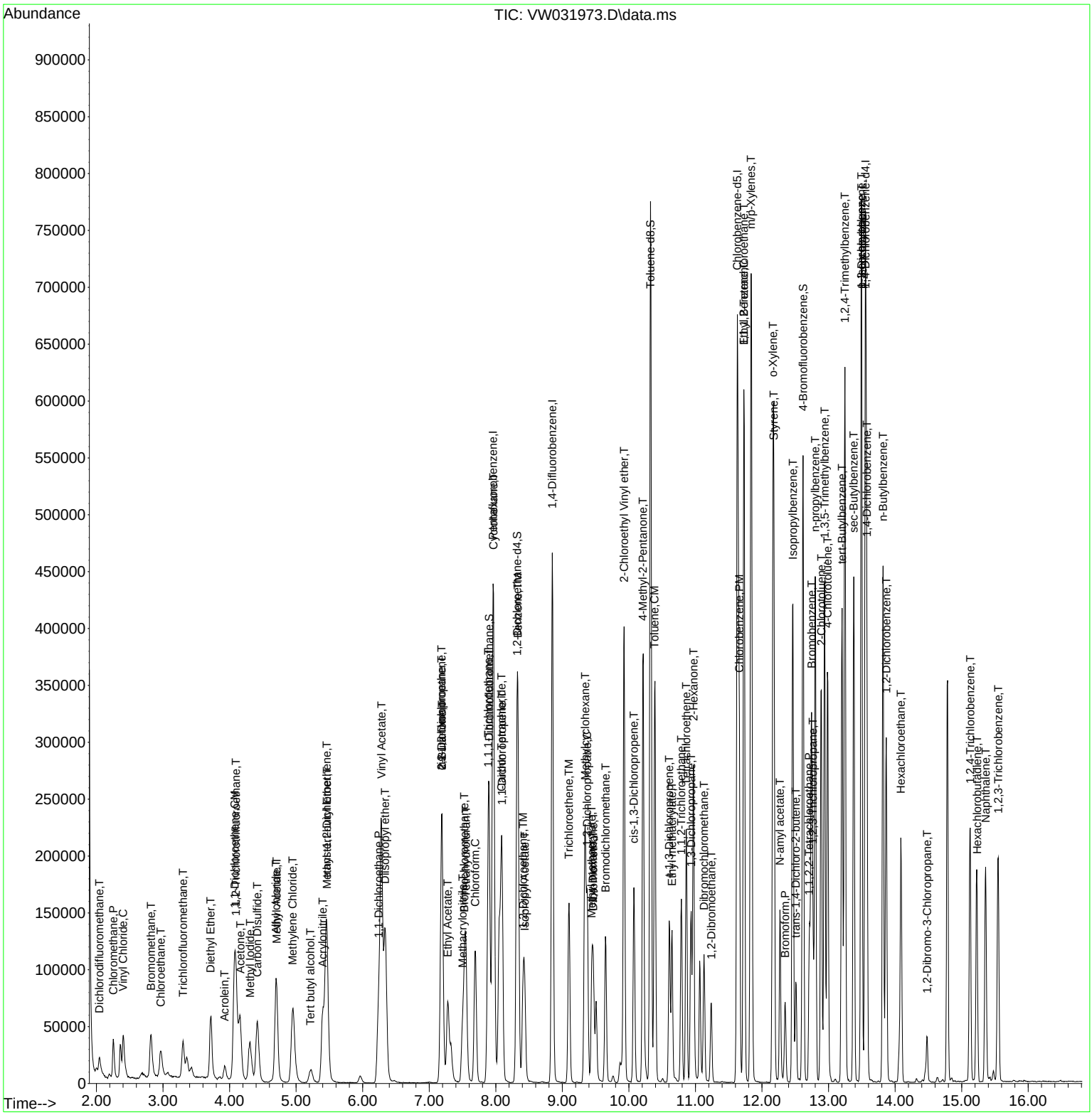
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031973.D
Acq On : 01 Aug 2025 09:49
Operator : SY/MD
Sample : VW0801SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 01 23:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025



Raw Data: **VW031974.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0801SBSD01	SDG No.:	Q2743
Lab Sample ID:	VW0801SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031974.D	1	08/01/25 10:12	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	18.4		1.10	5.00	ug/Kg
75-00-3	Chloroethane	18.7		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	17.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.5		1.00	5.00	ug/Kg
67-64-1	Acetone	97.9		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.9		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	16.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	17.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	97.9		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.1		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.8		0.91	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.8		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0801SBSD01	SDG No.:	Q2743
Lab Sample ID:	VW0801SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031974.D	1	08/01/25 10:12	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.8		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.4		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.1		0.82	5.00	ug/Kg
100-42-5	Styrene	19.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.2		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (17) - 130 (146)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	221000	7.959			
540-36-3	1,4-Difluorobenzene	398000	8.855			
3114-55-4	Chlorobenzene-d5	370000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.556			

Raw Data: **VW031974.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	VW0801SBSD01			SDG No.:	Q2743
Lab Sample ID:	VW0801SBSD01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031974.D	1	08/01/25 10:12	VW080125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VW031974.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.959	168	220615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	398144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	370224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	167609	50.222	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 100.440%			
35) Dibromofluoromethane	7.898	113	141003	52.118	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 104.240%			
50) Toluene-d8	10.325	98	527673	51.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.617	95	201472	51.243	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 102.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	26504	16.164	ug/l	95
3) Chloromethane	2.253	50	38199	18.151	ug/l	98
4) Vinyl Chloride	2.405	62	46485	17.004	ug/l	97
5) Bromomethane	2.826	94	37029	18.394	ug/l	100
6) Chloroethane	2.966	64	33726	18.692	ug/l	99
7) Trichlorofluoromethane	3.308	101	48255	17.427	ug/l	96
8) Diethyl Ether	3.722	74	35045	18.947	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	49682	18.654	ug/l	98
10) Methyl Iodide	4.314	142	75262	18.900	ug/l	99
11) Tert butyl alcohol	5.234	59	19858	101.227	ug/l	98
12) 1,1-Dichloroethene	4.076	96	54543	18.541	ug/l	94
13) Acrolein	3.936	56	17192	55.321	ug/l	96
14) Allyl chloride	4.704	41	83650	18.267	ug/l	99
15) Acrylonitrile	5.411	53	83695	101.212	ug/l	98
16) Acetone	4.167	43	77524	97.892	ug/l	100
17) Carbon Disulfide	4.423	76	135754	17.794	ug/l	99
18) Methyl Acetate	4.710	43	49977	22.906	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	103696	20.402	ug/l	98
20) Methylene Chloride	4.954	84	65104	16.062	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	59045	18.918	ug/l	91
22) Diisopropyl ether	6.338	45	179296	19.567	ug/l	94
23) Vinyl Acetate	6.289	43	569393	95.112	ug/l	99
24) 1,1-Dichloroethane	6.240	63	110392	19.349	ug/l	99
25) 2-Butanone	7.197	43	106124	97.941	ug/l	97
26) 2,2-Dichloropropane	7.185	77	58059	17.975	ug/l	96
27) cis-1,2-Dichloroethene	7.191	96	70949	19.336	ug/l	98
28) Bromochloromethane	7.533	49	45657	19.114	ug/l	94
29) Tetrahydrofuran	7.557	42	71024	99.977	ug/l	99
30) Chloroform	7.697	83	118708	19.845	ug/l	100
31) Cyclohexane	7.971	56	89959	17.576	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	85597	18.805	ug/l	99
36) 1,1-Dichloropropene	8.100	75	78940	19.000	ug/l	99
37) Ethyl Acetate	7.276	43	49293	20.798	ug/l	99
38) Carbon Tetrachloride	8.087	117	78235	19.620	ug/l	94
39) Methylcyclohexane	9.343	83	92958	17.779	ug/l	96
40) Benzene	8.337	78	248680	20.220	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.496	41	28527	20.106	ug/l		97
42) 1,2-Dichloroethane	8.410	62	82094	20.856	ug/l		100
43) Isopropyl Acetate	8.435	43	83921	19.559	ug/l		97
44) Trichloroethene	9.099	130	57900	19.806	ug/l		95
45) 1,2-Dichloropropane	9.374	63	59790	20.185	ug/l		99
46) Dibromomethane	9.465	93	39572	21.552	ug/l		96
47) Bromodichloromethane	9.648	83	90989	20.666	ug/l		99
48) Methyl methacrylate	9.441	41	41717	20.436	ug/l		97
49) 1,4-Dioxane	9.471	88	9433	514.860	ug/l	#	75
51) 4-Methyl-2-Pentanone	10.215	43	248332	105.754	ug/l		100
52) Toluene	10.392	92	158330	20.026	ug/l		98
53) t-1,3-Dichloropropene	10.611	75	83143	19.686	ug/l		96
54) cis-1,3-Dichloropropene	10.075	75	95666	19.835	ug/l		98
55) 1,1,2-Trichloroethane	10.788	97	52594	21.564	ug/l		95
56) Ethyl methacrylate	10.648	69	69824	20.271	ug/l		99
57) 1,3-Dichloropropane	10.934	76	91728	21.348	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.928	63	116121	65.630	ug/l		99
59) 2-Hexanone	10.971	43	170083	104.203	ug/l		99
60) Dibromochloromethane	11.129	129	59250	20.836	ug/l		98
61) 1,2-Dibromoethane	11.239	107	50736	21.052	ug/l		98
64) Tetrachloroethene	10.867	164	46870	19.202	ug/l	#	81
65) Chlorobenzene	11.660	112	176168	19.442	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.733	131	55265	19.674	ug/l		99
67) Ethyl Benzene	11.733	91	295776	18.579	ug/l		99
68) m/p-Xylenes	11.837	106	232252	38.752	ug/l		97
69) o-Xylene	12.166	106	108231	19.082	ug/l		100
70) Styrene	12.178	104	188534	19.523	ug/l		98
71) Bromoform	12.349	173	31306	20.378	ug/l	#	98
73) Isopropylbenzene	12.458	105	270032	17.378	ug/l		97
74) N-amyl acetate	12.269	43	75603	17.998	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.715	83	64603	19.587	ug/l		99
76) 1,2,3-Trichloropropane	12.763	75	47535m	19.226	ug/l		
77) Bromobenzene	12.745	156	63035	18.749	ug/l		98
78) n-propylbenzene	12.800	91	341470	17.893	ug/l		98
79) 2-Chlorotoluene	12.891	91	208047	18.259	ug/l		98
80) 1,3,5-Trimethylbenzene	12.940	105	235990	18.109	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.507	75	17945	16.756	ug/l		94
82) 4-Chlorotoluene	12.989	91	222703	18.631	ug/l		100
83) tert-Butylbenzene	13.202	119	197280	17.772	ug/l		98
84) 1,2,4-Trimethylbenzene	13.245	105	239109	18.128	ug/l		98
85) sec-Butylbenzene	13.379	105	292862	17.568	ug/l		100
86) p-Isopropyltoluene	13.495	119	243490	17.672	ug/l		98
87) 1,3-Dichlorobenzene	13.495	146	130590	18.660	ug/l		98
88) 1,4-Dichlorobenzene	13.580	146	129287	18.859	ug/l		99
89) n-Butylbenzene	13.818	91	236649	17.508	ug/l		98
90) Hexachloroethane	14.086	117	43163	18.116	ug/l		96
91) 1,2-Dichlorobenzene	13.867	146	119275	19.231	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11431	19.184	ug/l		93
93) 1,2,4-Trichlorobenzene	15.123	180	65949	17.632	ug/l		98
94) Hexachlorobutadiene	15.226	225	31008	17.495	ug/l		99
95) Naphthalene	15.360	128	175224	19.055	ug/l		98
96) 1,2,3-Trichlorobenzene	15.549	180	63480	18.732	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025

Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

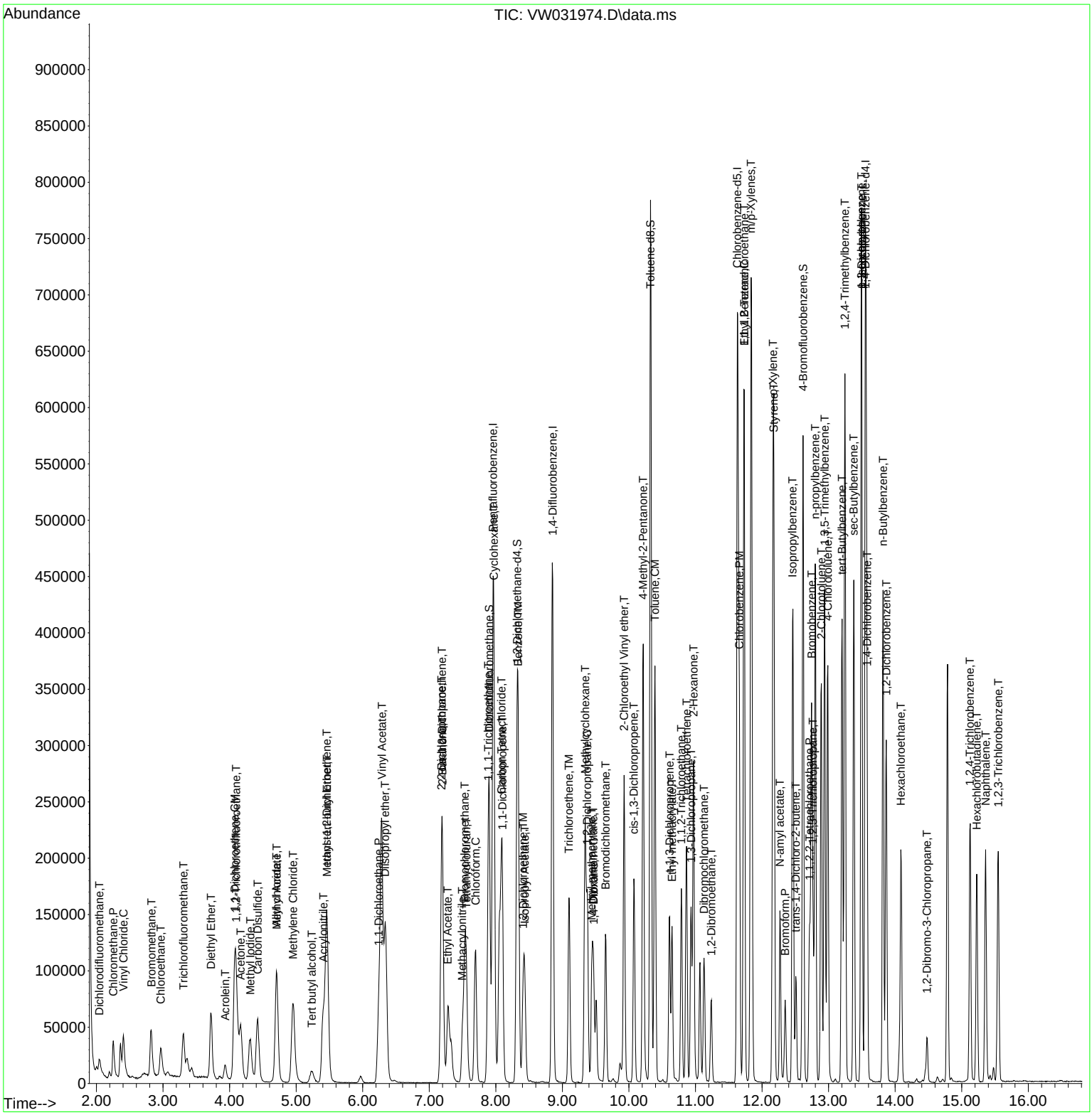
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
Data File : VW031974.D
Acq On : 01 Aug 2025 10:12
Operator : SY/MD
Sample : VW0801SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 23:09:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VW0801SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/04/2025
Supervised By :Semsettin Yesilyurt 08/04/2025



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Manual Integration Report

Sequence:	VW072225	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW031891.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:49 PM	MMDadoda	7/24/2025 3:08:40 PM	Peak Integrated by Software
VSTDICC005	VW031891.D	Ethyl Acetate	SAM	7/24/2025 3:07:49 PM	MMDadoda	7/24/2025 3:08:40 PM	Peak Integrated by Software
VSTDICC005	VW031891.D	Methacrylonitrile	SAM	7/24/2025 3:07:49 PM	MMDadoda	7/24/2025 3:08:40 PM	Peak Integrated by Software
VSTDICC010	VW031892.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:50 PM	MMDadoda	7/24/2025 3:08:42 PM	Peak Integrated by Software
VSTDICC010	VW031892.D	Methacrylonitrile	SAM	7/24/2025 3:07:50 PM	MMDadoda	7/24/2025 3:08:42 PM	Peak Integrated by Software
VSTDICC020	VW031893.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:52 PM	MMDadoda	7/24/2025 3:08:43 PM	Peak Integrated by Software
VSTDICCC050	VW031894.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:54 PM	MMDadoda	7/24/2025 3:08:45 PM	Peak Integrated by Software
VSTDICC100	VW031895.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:55 PM	MMDadoda	7/24/2025 3:08:46 PM	Peak Integrated by Software
VSTDICC150	VW031896.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:57 PM	MMDadoda	7/24/2025 3:08:48 PM	Peak Integrated by Software
VSTDICV050	VW031898.D	1,2,3-Trichloropropane	SAM	7/24/2025 3:07:59 PM	MMDadoda	7/24/2025 3:08:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VW080125	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW031971.D	1,2,3-Trichloropropane	MMDadoda	8/4/2025 1:49:16 PM	Sam	8/4/2025 2:29:11 PM	Peak Integrated by Software
VW0801SBS01	VW031973.D	1,2,3-Trichloropropane	MMDadoda	8/4/2025 1:49:18 PM	Sam	8/4/2025 2:29:12 PM	Peak Integrated by Software
VW0801SBSD01	VW031974.D	1,2,3-Trichloropropane	MMDadoda	8/4/2025 1:49:20 PM	Sam	8/4/2025 2:29:14 PM	Peak Integrated by Software
VSTDCCC050	VW031985.D	1,2,3-Trichloropropane	MMDadoda	8/4/2025 1:49:25 PM	Sam	8/4/2025 2:29:16 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW072225

Review By	Semsettin Yesilyurt	Review On	7/24/2025 3:08:17 PM				
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 3:08:52 PM				
SubDirectory	VW072225	HP Acquire Method	MSVOA_W	HP Processing Method	82w072225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134865
Initial Calibration Stds	VP134866,VP134868,VP134869,VP134870,VP134873,VP134874
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134875
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031890.D	22 Jul 2025 08:14	SY/MD	Ok
2	VSTDICC005	VW031891.D	22 Jul 2025 09:05	SY/MD	Ok,M
3	VSTDICC010	VW031892.D	22 Jul 2025 09:37	SY/MD	Ok,M
4	VSTDICC020	VW031893.D	22 Jul 2025 10:17	SY/MD	Ok,M
5	VSTDICCC050	VW031894.D	22 Jul 2025 10:39	SY/MD	Ok,M
6	VSTDICC100	VW031895.D	22 Jul 2025 11:18	SY/MD	Ok,M
7	VSTDICC150	VW031896.D	22 Jul 2025 12:00	SY/MD	Ok,M
8	VIBLK	VW031897.D	22 Jul 2025 12:21	SY/MD	Ok
9	VSTDICV050	VW031898.D	22 Jul 2025 14:47	SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW080125

Review By	Mahesh Dadoda	Review On	8/4/2025 1:49:28 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/4/2025 2:29:21 PM				
SubDirectory	VW080125	HP Acquire Method	MSVOA_W		HP Processing Method	82w072225s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP134960
Initial Calibration Stds	
CCC	VP134962,VP134963
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031970.D	01 Aug 2025 07:52	SY/MD	Ok
2	VSTDCCC050	VW031971.D	01 Aug 2025 08:21	SY/MD	Ok,M
3	VW0801SBL01	VW031972.D	01 Aug 2025 09:21	SY/MD	Ok
4	VW0801SBS01	VW031973.D	01 Aug 2025 09:49	SY/MD	Ok,M
5	VW0801SBSD01	VW031974.D	01 Aug 2025 10:12	SY/MD	Ok,M
6	Q2741-01	VW031975.D	01 Aug 2025 11:12	SY/MD	ReRun
7	Q2740-01	VW031976.D	01 Aug 2025 11:34	SY/MD	Ok
8	Q2743-01	VW031977.D	01 Aug 2025 11:56	SY/MD	Ok
9	Q2747-01	VW031978.D	01 Aug 2025 12:18	SY/MD	ReRun
10	Q2747-03	VW031979.D	01 Aug 2025 12:40	SY/MD	ReRun
11	Q2747-05	VW031980.D	01 Aug 2025 13:02	SY/MD	ReRun
12	Q2747-07	VW031981.D	01 Aug 2025 13:24	SY/MD	ReRun
13	Q2747-09	VW031982.D	01 Aug 2025 13:47	SY/MD	ReRun
14	Q2741-01	VW031983.D	01 Aug 2025 14:09	SY/MD	Ok
15	VIBLK	VW031984.D	01 Aug 2025 14:35	SY/MD	Ok
16	VSTDCCC050	VW031985.D	01 Aug 2025 14:57	SY/MD	Ok,M

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW072225

Review By	Semsettin Yesilyurt	Review On	7/24/2025 3:08:17 PM		
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 3:08:52 PM		
SubDirectory	VW072225	HP Acquire Method	MSVOA_W	HP Processing Method	82w072225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134865
Initial Calibration Stds	VP134866,VP134868,VP134869,VP134870,VP134873,VP134874
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134875
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031890.D	22 Jul 2025 08:14		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW031891.D	22 Jul 2025 09:05	Comp. #20 is on Linear Regression	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW031892.D	22 Jul 2025 09:37	Comp. #13 is on Quadratic Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW031893.D	22 Jul 2025 10:17		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW031894.D	22 Jul 2025 10:39		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW031895.D	22 Jul 2025 11:18		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW031896.D	22 Jul 2025 12:00		SY/MD	Ok,M
8	VIBLK	VIBLK	VW031897.D	22 Jul 2025 12:21		SY/MD	Ok
9	VSTDICV050	ICVVW072225	VW031898.D	22 Jul 2025 14:47		SY/MD	Ok,M

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Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QCBatch ID # VW080125

Review By	Mahesh Dadoda	Review On	8/4/2025 1:49:28 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/4/2025 2:29:21 PM		
SubDirectory	VW080125	HP Acquire Method	MSVOA_W	HP Processing Method	82w072225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134960
Initial Calibration Stds	
CCC	VP134962,VP134963
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031970.D	01 Aug 2025 07:52		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW031971.D	01 Aug 2025 08:21		SY/MD	Ok,M
3	VW0801SBL01	VW0801SBL01	VW031972.D	01 Aug 2025 09:21		SY/MD	Ok
4	VW0801SBS01	VW0801SBS01	VW031973.D	01 Aug 2025 09:49		SY/MD	Ok,M
5	VW0801SBSD01	VW0801SBSD01	VW031974.D	01 Aug 2025 10:12		SY/MD	Ok,M
6	Q2741-01	TR-05-07312025	VW031975.D	01 Aug 2025 11:12	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
7	Q2740-01	OR-02-07312025	VW031976.D	01 Aug 2025 11:34	vial-A	SY/MD	Ok
8	Q2743-01	WC1	VW031977.D	01 Aug 2025 11:56	vial-A	SY/MD	Ok
9	Q2747-01	OU4-TS-GRILLO-OG2-	VW031978.D	01 Aug 2025 12:18	vial-A Surrogate fail	SY/MD	ReRun
10	Q2747-03	OU4-TS-GRILLO-OG3-	VW031979.D	01 Aug 2025 12:40	vial-A Surrogate fail	SY/MD	ReRun
11	Q2747-05	OU4-TS-GRILLO-OG4-	VW031980.D	01 Aug 2025 13:02	vial-A Surrogate fail	SY/MD	ReRun
12	Q2747-07	OU4-TS-GRILLO-TSCF	VW031981.D	01 Aug 2025 13:24	vial-A Surrogate fail	SY/MD	ReRun
13	Q2747-09	OU4-TS-GRILLO-TSCF	VW031982.D	01 Aug 2025 13:47	vial-A Surrogate fail	SY/MD	ReRun
14	Q2741-01	TR-05-07312025	VW031983.D	01 Aug 2025 14:09	vial-B	SY/MD	Ok
15	VIBLK	VIBLK	VW031984.D	01 Aug 2025 14:35		SY/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VW031985.D	01 Aug 2025 14:57		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 8/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:30
In Date: 07/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 08/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136669

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2734-01	VNJ-253	1	1.14	10.65	11.79	10.74	90.1	
Q2735-01	BC271315-1-1	2	1.00	1.00	2.00	2.00	100.0	PILC SAMPLE
Q2735-02	BC271315-1-2	3	1.00	1.00	2.00	2.00	100.0	PILC SAMPLE
Q2735-03	BC274768-1-1	4	1.00	1.00	2.00	2.00	100.0	PILC SAMPLE
Q2735-04	BC274768-1-2	5	1.00	1.00	2.00	2.00	100.0	PILC SAMPLE
Q2736-01	PAD-073125	6	1.00	1.00	2.00	2.00	100.0	CONCRETE SAMPLE
Q2737-01	OILY-DEBRIS	7	1.14	10.72	11.86	7.87	62.8	
Q2740-01	OR-02-07312025	8	1.12	10.54	11.66	11.09	94.6	
Q2740-02	OR-02-07312025-E2	9	1.14	10.85	11.99	11.2	92.7	
Q2741-01	TR-05-07212025	10	1.16	10.34	11.5	10.83	93.5	
Q2741-02	TR-05-07212025-E2	11	1.12	10.20	11.32	10.12	88.2	
Q2743-01	WC1	12	1.13	10.67	11.8	9.48	78.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q 2743
COC Number 2047567

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GECP INC
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: CAPRA
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GECP INC PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE) STANDARD DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) X ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
X EDD FORMAT Excel.

ANALYSIS

1: TCL VOCs
2: TCL BNAs
3: TAL Metals
4: TCL Pesticides
5: RCRA
6: pH, Ignitability
7: Paint Filter
8: PCBs
9: EPH

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	WC1	SOIL		X	7/31/25	1530	2	X	X	X	X	X	X	X	X	X
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	7/31/25	1. 15:52
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.9 °C
Comments: CAPRA Waste Class

Page _____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2743 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 7/31/2025 4:05:00 PM
Project Name : Capra
Receive DateTime : 7/31/2025 3:52:00 PM
Purchase Order :

Project Mgr : Deepak
Report Type : NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff : 7/31/2025 4:17:25 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2743-01	WC1	Solid	07/31/2025	15:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 8/1/25 9:15

Received By :
Date / Time : 08/01/25 9:15

Storage Area : VOA Refridgerator Room

Reg # 6
FTZ